Assessment on Lesson 1

Unit 9

1 Choose the correct answer:

a) $\frac{3}{4} \times 6 =$ .... $\times 3$ $\left(\frac{3}{4}\right.$ or $\frac{2}{3}$ or $\frac{3}{2}$ or $\left.\frac{6}{9}\right)$

b) $\frac{5}{6} \times 9 =$ .... $(6\frac{5}{9}$ or $9\frac{5}{6}$ or $7\frac{5}{6}$ or $7\frac{1}{2})$

c) $2\frac{3}{4} +$ .... $= 5\frac{1}{3}$ $(2\frac{7}{12}$ or $3\frac{7}{12}$ or $2\frac{1}{2}$ or $3\frac{2}{3})$

d) $2\frac{7}{4} = 3$ ...... $\left(\frac{19}{4}\right.$ or $\frac{15}{4}$ or $\frac{11}{4}$ or $\left.\frac{3}{4}\right)$

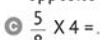
e) $\frac{48}{64} =$ .... (In the simplest form) $\left(\frac{3}{4}\right.$ or $\frac{6}{8}$ or $\frac{12}{16}$ or $\left.\frac{24}{32}\right)$

2 Complete the following:

a) $2\frac{1}{5} + 2\frac{1}{5} + 2\frac{1}{5} + 2\frac{1}{5} + 2\frac{1}{5} =$ .... X .... = ...

b) The multiplication problem representing the opposite number line is: .... X .... = ...





c) $\frac{5}{8} \times 4 =$ ....

d) $2\frac{1}{4} \times 6 =$ ....

3 Answer the following :

Ahmed studies for $3\frac{1}{4}$ hours every day. How many hours does Ahmed study in 4 days?

Find the answer by converting the hours into minutes, and then convert the answer into hours again.

....

....

....

Assessment on Lessons 2&3

Unit 9

1 Complete the following:

ⓐ $\frac{2}{3} \times \frac{3}{2} =$ ....

ⓑ $\frac{5}{6} \times$ .... $= \frac{45}{54}$

ⓒ $\frac{4}{5} \times$ .... $= \frac{2}{5}$

ⓓ $\frac{3}{4} \times$ .... $= \frac{3}{8}$

ⓔ $\frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} =$ .... X .... = ...

2 Choose the correct answer:

ⓐ $\frac{5}{8} \times \frac{4}{5} =$ .... (2 or $\frac{1}{2}$ or $\frac{5}{40}$ or $\frac{20}{8}$)

ⓑ $\frac{45}{60} =$ .... ($\frac{3}{4}$ or $\frac{9}{12}$ or $\frac{15}{20}$ or $\frac{6}{8}$)

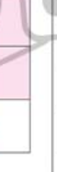
ⓒ $\frac{3}{4} \times$ .... $= \frac{3}{8}$ ($\frac{1}{4}$ or $\frac{2}{2}$ or $1\frac{1}{2}$ or $\frac{1}{2}$)

ⓓ $5 \times \frac{3}{5} =$ .... ($\frac{5}{3}$ or 6 or 3 or $\frac{3}{25}$)

ⓔ $\frac{15}{25} =$ .... ($\frac{2}{3}$ or $\frac{2}{5}$ or $\frac{6}{10}$ or $\frac{1}{2}$)

3 Answer the following :

ⓐ Write the multiplication problem represented by the following models, and find the result. Simplify your answer, if possible:



.... X .... = ...

ⓑ Use the following area model to multiply.



$\frac{4}{5} \times \frac{1}{4} =$ ....

Assessment on Lessons 4&5

Unit 9

1 **Choose the correct answer:**

a) $3 \times \frac{4}{5} = 2 \times$ .... $(\frac{2}{5}$ or $2\frac{2}{5}$ or $\frac{5}{5}$ or $\frac{6}{5})$

b) $\frac{4}{15} \times \frac{5}{8} =$ .... $\times \frac{1}{2}$ $(\frac{1}{3}$ or $\frac{4}{3}$ or $\frac{1}{15}$ or $\frac{1}{6})$

c) $7 \times \frac{15}{4} =$ .... $(7 \times \frac{6}{4}$ or $7 \times 3\frac{3}{4}$ or $3 \times 7\frac{3}{4}$ or $14 \times 3\frac{3}{4})$

d) $\frac{12}{15} = \frac{4}{\text{......}}$ (3 or 12 or 15 or 5)

2 **Complete the following:**

a) $\frac{5}{8} \times \frac{2}{5} =$ ....

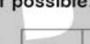
b) $1\frac{3}{5} \times \frac{3}{4} =$ ....

c) $\frac{5}{8} \times \frac{3}{4} =$ ....

d) $\frac{2}{3} \times$ .... $= \frac{10}{9}$

e) $3\frac{5}{7} = \frac{\text{......}}{7}$

3 **Use the following area models to multiply. Simplify your answers, if possible:**





a) $\frac{2}{3} \times \frac{1}{2} =$ ....

b) $4 \times \frac{3}{5} =$ ....

Assessment on Lesson 6

Unit 9

1 Choose the correct answer:

a) $\frac{3}{8} \times \frac{4}{9} =$ .... ($\frac{1}{3}$ or $\frac{2}{6}$ or $\frac{1}{6}$ or $\frac{2}{5}$)

b) $8 \times \frac{3}{5} =$ .... ($2 \times \frac{6}{5}$ or $4 \times \frac{6}{5}$ or $6 \times \frac{5}{4}$ or $3 \times \frac{5}{8}$)

c) $1\frac{3}{4} +$ .... $= 2\frac{1}{2}$ ($3\frac{1}{4}$ or $4\frac{1}{4}$ or $1\frac{3}{4}$ or $\frac{3}{4}$)

d) 2 hours and 15 minutes = ... hours ($2\frac{1}{4}$ or $2\frac{1}{3}$ or $2\frac{1}{2}$ or $2\frac{3}{4}$)

e) $\frac{3}{5} \times \frac{15}{18} =$ .... (2 or $\frac{1}{2}$ or 18 or $\frac{3}{5}$)

2 Complete the following:

a) $\frac{15}{35} = \frac{3}{\dots}$

b) $4\frac{3}{5} = 2\frac{\dots}{5}$

c) $\frac{2}{3} \times \frac{3}{2} =$ ....

d) $3\frac{3}{4} \times 2\frac{4}{5} =$ ....

e) $4\frac{3}{8} - 2\frac{1}{2} =$ ....

3 Answer the following:

Saif trains at the club three days a week. He spends 2 hours and 30 minutes playing tennis and an hour and a quarter swimming. How much time does Saif spend at the club per week?

Answer using fractions.

....

....

....

Assessment on Concept 1



First: **Choose the correct answer:**

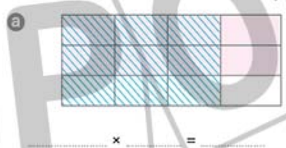
1. $5 \times \frac{4}{7} =$ .... $(2 \times \frac{10}{7}$ or $3 \times \frac{3}{7}$ or $6 \times \frac{3}{7}$ or $20 \times 7)$
2. $\frac{3}{7} \times \frac{7}{3} =$ .... $(1$ or 21 or 9 or $49)$
3. $\frac{3}{8} \times \frac{4}{9} =$ .... $(\frac{1}{2} \times \frac{2}{3}$ or $\frac{3}{2} \times \frac{2}{3}$ or $\frac{1}{2} \times \frac{1}{3}$ or $\frac{3}{2} \times \frac{1}{3})$
4. $\frac{2}{3} \times \frac{18}{6} =$ .... $(\frac{1}{3}$ or $\frac{3}{6}$ or $\frac{1}{2}$ or $2)$

Second: **Complete the following. Simplify your answers, if possible:**

1. $3\frac{1}{2} \times \frac{6}{7} =$ ....
2. $4\frac{4}{5} \times 1\frac{1}{9} =$ ....
3. $\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} =$ .... X .... = ...

Third: **Answer the following:**

1. Write the multiplication problem represented by each of the following models, and find the result. Simplify your answers, if possible:

a 

.... × .... = ...

b 

.... × .... = ...

2. Sameh needs $2\frac{1}{2}$ hours to make a pie.

How long does he need to make 3 pies?

....

Assessment on Lesson 7

Unit 9

1 Choose the correct answer:

a) $\frac{24}{48}$ = ... ($\frac{4}{8}$ or $\frac{8}{16}$ or $\frac{2}{4}$ or $\frac{1}{2}$)

b) $\frac{3}{8} \times \frac{2}{3}$ = ... ($\frac{1}{2} \times \frac{1}{2}$ or $\frac{1}{2} \times \frac{1}{3}$ or $\frac{1}{4} \times \frac{1}{2}$ or $\frac{3}{4} \times \frac{2}{3}$)

c) $8 \div 5$ = ... ($8\frac{3}{5}$ or $5\frac{3}{8}$ or $1\frac{3}{5}$ or $\frac{5}{8}$)

d) $45 \div 60$ = ... ($1\frac{15}{60}$ or $\frac{3}{4}$ or $4\frac{5}{6}$ or $1\frac{1}{3}$)

e) $2\frac{1}{3}$ is a/an ....

(proper fraction or improper fraction or mixed number or whole number)

2 Find the result:

a) $3\frac{3}{5} + 1\frac{1}{2}$ = ...

b) $4\frac{1}{3} - 2\frac{3}{4}$ = ...

c) $3\frac{1}{5} \times 1\frac{7}{8}$ = ...

d) $5 \div 15$ = ...

3 Answer the following :

Hussam has 2 liters of juice concentrate and 3 liters of water; he wants to mix them and put the mixture in 10 cups evenly.

How much juice does he put in each cup?

....

....

....

Assessment on Lessons 8&9

Unit 9

1 Choose the correct answer:

a) $3 \div 18 =$ .... $\left(\frac{1}{3} \div \frac{1}{2} \text{ or } \frac{1}{2} \div \frac{1}{3} \text{ or } \frac{1}{2} \div 3 \text{ or } 3 \div \frac{1}{2} \right)$

b) $\frac{5}{8} \times \frac{8}{5} =$ .... $\left(\frac{1}{4} \times 2 \text{ or } \frac{1}{2} \times 4 \text{ or } \frac{1}{2} \times 2 \text{ or } \frac{1}{2} \times \frac{1}{2} \right)$

c) $5\frac{1}{2} -$ .... $= 2\frac{1}{4}$ $\left(3\frac{1}{2} \text{ or } 3\frac{1}{4} \text{ or } 2\frac{1}{2} \text{ or } 2\frac{1}{4} \right)$

d) $5 \times \frac{4}{7} = 10 \times$ .... $\left(\frac{39}{7} \text{ or } \frac{5}{7} \text{ or } \frac{4}{7} \text{ or } \frac{2}{7} \right)$

e) .... $\div \frac{1}{5} = 15$ $\left(\frac{1}{10} \text{ or } 10 \text{ or } 3 \text{ or } \frac{1}{3} \right)$

2 Find the result:

a) $2\frac{3}{6} + \frac{3}{4} =$ ....

b) $4\frac{1}{3} - 2\frac{1}{2} =$ ....

c) $5\frac{1}{4} \times 1\frac{1}{3} =$ ....

d) $5 \div \frac{1}{2} =$ ....

e) $\frac{1}{4} \div 3 =$ ....

3 Hazem wants to divide 3 pizzas among 4 of his friends.
Help Hazem and complete:

a) Hazem divides each pizza into .... pieces.

b) Each friend gets .... piece(s).

Assessment on Lesson 10

Unit 9

1 Find the result. Simplify your answers, if possible:

ⓐ $3\frac{2}{3} + 2\frac{1}{2} =$ ....

ⓑ $7\frac{1}{4} - 2\frac{1}{3} =$ ....

ⓒ $3\frac{1}{8} \times 1\frac{1}{5} =$ ....

ⓓ $4 \div \frac{1}{3} =$ ....

ⓔ $\frac{1}{4} \div 3 =$ ....

2 Complete the following:

ⓐ $\frac{3}{5} \times$ .... $= 3$

ⓑ $\frac{1}{3} \div$ .... $= \frac{1}{15}$

ⓒ $5 \times$ .... $= \frac{1}{2}$

ⓓ .... $\div \frac{1}{2} = 14$

ⓔ $\frac{36}{48} = \frac{6}{\ldots} = \frac{\ldots}{4}$

3 Answer the following:

ⓐ Hana had $2\frac{1}{2}$ pounds, and her father gave her $3\frac{1}{2}$ pounds. She wants to buy pens that cost $\frac{1}{2}$ pounds each. How many pens can she buy?

....

....

ⓑ Salah wants to use 4 meters of fabric to make 6 dresses for his children. If he divides the fabric evenly, what is the length of fabric used in each dress?

....

....

Assessment on Concept 2



First: Choose the correct answer:

1. $12 \div 8 =$ .... $(\frac{2}{3}$ or $1\frac{1}{2}$ or $\frac{8}{12}$ or $1\frac{4}{12})$
2. $\frac{1}{2} \div 3 =$ .... $(\frac{3}{2}$ or $\frac{2}{3}$ or $\frac{1}{6}$ or $6)$
3. $5 \times \frac{1}{8} =$ .... $(5 \div \frac{1}{8}$ or $5 \div 8$ or 5×8 or $8 \div 5)$
4. $7 \div 3 =$ .... $(\frac{3}{7}$ or 21 or $2\frac{1}{3}$ or $3\frac{1}{2})$
5. $5 \div 15 =$ .... $(3$ or $\frac{1}{3}$ or 75 or $5\frac{1}{5})$

Second: Complete the following:

1. $\frac{1}{5} \div$ .... $= \frac{1}{10}$
2. $4 \div$ .... $= 16$
3. .... $\div \frac{1}{3} = 12$
4. .... $\div 8 = \frac{1}{2}$
5. .... $\div 9 = 1\frac{1}{3}$

Third: Answer the following:

- Find the quotient and represent it on the model:

1. $5 \div 3 =$ ....
2. $2 \div \frac{1}{4} =$ ....
3. $\frac{1}{2} \div 4 =$ ....

Fourth: Answer the following:

- Safa has $\frac{1}{2}$ liter of juice that she wants to divide **equally** among her **three** children. How much juice will each of them get?

....

Assessment 1 on Unit 9



First: Choose the correct answer:

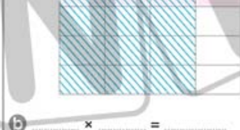
1. $\frac{3}{8} \times 12 = \frac{6}{8} \times$ .... $(6 \text{ or } 4 \text{ or } 9 \text{ or } 3)$
2. $\frac{3}{10} \times 15 =$ .... $(2\frac{1}{4} \text{ or } 4\frac{1}{2} \text{ or } 4\frac{3}{5} \text{ or } 3\frac{4}{5})$
3. $\frac{4}{5} \times 1\frac{1}{2} =$ .... $(\frac{4}{5} + \frac{4}{5} \text{ or } \frac{2}{5} + \frac{2}{5} \text{ or } \frac{4}{5} + \frac{2}{5} \text{ or } \frac{5}{5} + \frac{2}{5})$
4. .... $\times$ .... $= \frac{19}{4} \times \frac{7}{2}$
   $(2\frac{3}{4} \times 4\frac{1}{3} \text{ or } 4\frac{3}{4} \times 2\frac{1}{3} \text{ or } 8 \times \frac{1}{4} \text{ or } 6 \times \frac{13}{12})$

Second: Complete the following:

1. $6 \div 8 =$ ....
2. .... $\times 3 = \frac{3}{4}$
3. $5 \div$ .... $= 15$
4. .... $\times 8 = 2$
5. $14 \div$ .... $= 14 \times 3$

Third: Write the problem represented by each of the following models, and find the result. Simplify your answers, if possible:





a) .... $\div 4 =$ ....

b) .... $\times$ .... $=$ ....

Fourth: Answer the following:

- Hossam saves $4\frac{1}{2}$ pounds per week. How much does he save in 6 weeks?

....

....

Assessment 2 on Unit 9



First: Complete the following:

1. $\frac{4}{5} \times 3 = \frac{2}{5} \times$ ....
2. $\frac{4}{9} \times 12 =$ ....
3. $\frac{6}{7} \times 1\frac{1}{6} =$ .... $\times$ .... $=$ ....
4. $\frac{3}{5} \times \frac{7}{7} = \frac{\cdots}{5}$
5. $1\frac{2}{3} \times 2\frac{1}{4} =$ .... $\times$ .... $=$ ....

Second: Choose the correct answer:

1. $8 \div 12 =$ .... $(\frac{2}{3}$ or $1\frac{1}{2}$ or $\frac{3}{4}$ or $1\frac{1}{3})$
2. .... $\div \frac{1}{4} = 16$ $(\frac{1}{4}$ or 4 or 2 or $8)$
3. $\frac{1}{3} \times$ .... $= 3$ $(3$ or 6 or 9 or $12)$
4. $18 \div 8 =$ .... $(\frac{4}{9}$ or $4\frac{1}{4}$ or $2\frac{1}{4}$ or $3)$
5. $4 \times \frac{1}{3} =$ .... $(4 \div 3$ or $4 \div \frac{1}{4}$ or $\frac{1}{4} \div \frac{1}{3}$ or $\frac{1}{4} \div 3)$

Third: Using the models shown find the result:

a. $3 \div \frac{1}{4} =$ ....

b. $\frac{1}{3} \times \frac{2}{3} =$ ....

Fourth: Answer the following:

- The distance from Ahmed's house to his school is **5** km, Ahmed wants to divide that distance into **4 equal** parts. How long is each part?

....

Assessment on Lesson 1

Unit 10

1 Choose the correct answer:

a) A .... is a quadrilateral with two pairs of congruent adjacent sides.

(kite or trapezium or parallelogram or rectangle)

b) A .... is a quadrilateral in which all angles are right.

(rectangle or rhombus or parallelogram or trapezium)

c) $2\frac{1}{2} \times 3\frac{1}{3} =$ .... $(8\frac{1}{3}$ or $5\frac{2}{3}$ or $2\frac{5}{3}$ or $6\frac{1}{6})$

d) $\frac{25}{50} =$ .... (In the simplest form) $(\frac{2}{5}$ or $\frac{50}{100}$ or $\frac{5}{10}$ or $\frac{1}{2})$

e) $3 \times \frac{4}{5} = 2 \times$ .... $(\frac{14}{5}$ or $\frac{12}{5}$ or $\frac{6}{5}$ or $6)$

2 Complete the following:

a) A quadrilateral that has only one pair of parallel sides is a ....

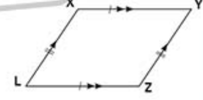
b) A quadrilateral that has one pair of acute angles, one pair of obtuse angles, and two pairs of parallel sides and all its sides are equal is a ....

c) $\frac{12}{\text{......}} = \frac{3}{4}$

d) $3\frac{4}{5} +$ .... $= 5\frac{1}{2}$

e) $5 \div \frac{1}{3} =$ ....

3 Study the corresponding figure, then complete:



a) The corresponding figure is called a ....

b) $\overline{YZ}$ and .... are parallel and congruent.

c) $\overline{XY}$ and .... are parallel and congruent.

d) ∠ X and ∠ Z are .... angles.

e) ∠ Y and ∠ L are .... angles.

Assessment on Lesson 2

Unit 10

1 Choose the correct answer:

ⓐ A triangle whose side lengths are 5 cm, 7 cm, and 5 cm is called a/an .... triangle. (equilateral or scalene or isosceles or scalene)

ⓑ A triangle that contains one right angle and two acute angles is called a/an .... triangle. (acute or obtuse or right or equilateral)

ⓒ $3 \div 6 =$ .... ($\frac{3}{2}$ or $\frac{3}{4}$ or $\frac{1}{2}$ or 2)

ⓓ $\frac{3}{5} \times$ .... $= 6$ (15 or 10 or 2 or 5)

ⓔ A .... is a quadrilateral in which there are two pairs of parallel sides, two acute angles and two obtuse angles.

(square or rectangle or trapezium or parallelogram)

2 Complete the following:

ⓐ The type of triangle whose side lengths are 4 cm, 3 cm, and 6 cm according to the lengths of its sides is a/an .... triangle.

ⓑ The trapezium is a quadrilateral with .... of parallel sides.

ⓒ $3\frac{4}{5} + 2\frac{3}{4} =$ ....

ⓓ $\frac{5}{6} = \frac{\dots}{24}$

ⓔ $3 \times \frac{6}{7} = 2 \times$ ....

3 Answer the following:

ⓐ Study the following figure, then complete:

1. The lengths of the sides: AB = ... cm, BC = ... cm, AC = ... cm.
2. The type of triangle according to the lengths of its sides is ....
3. The lengths of the angles:
   - ∠ A is a/an .... angle.
   - ∠ B is a/an .... angle.
   - ∠ C is a/an .... angle.
4. The type of triangle according to the types of its angles is ....

C

A B

ⓑ Nihal had $10\frac{1}{2}$ pounds. She bought candy for $6\frac{1}{4}$ pounds. How much money is left with her? ....

Assessment on Lessons 3&4

Unit 10

1 Choose the correct answer:

ⓐ $\frac{1}{2} \div 3 =$ .... ($\frac{3}{2}$ or $\frac{2}{3}$ or $\frac{1}{6}$ or 6)

ⓑ $2\frac{1}{2} +$ .... $= 7$ ($6\frac{1}{2}$ or $4\frac{1}{2}$ or $9\frac{1}{2}$ or $5\frac{1}{2}$)

ⓒ The rectangle has .... of parallel sides.
(1 pair or 2 pairs or 3 pairs or 4 pairs)

ⓓ A .... is a quadrilateral with four sides of equal length.
(rectangle or trapezium or rhombus or parallelogram)

ⓔ A right triangle contains a right angle and two .... angles.
(acute or right or obtuse or straight)

2 Complete the following:

ⓐ The type of triangle whose side lengths are 5 cm, 7 cm, and 5 cm according to the lengths of its sides is ....

ⓑ The area of a rectangle whose dimensions are $1\frac{3}{4}$ cm and $\frac{4}{5}$ cm is .... cm^2.

ⓒ $3\frac{1}{3}$ hours = ... hours, ... minutes.

ⓓ $\frac{15}{25} = \frac{3}{....}$

ⓔ $4\frac{3}{8} \times 1\frac{1}{7} =$ ....

3 Answer the following:

ⓐ Draw a rectangle with the following dimensions:
Length = $5\frac{1}{2}$ units, width = $2\frac{1}{2}$ units
Then, find its area. ....

ⓑ Mona bought $6\frac{1}{4}$ meters of fabric; the price of one meter is $3\frac{1}{5}$ pounds. What is the price of the whole fabric she bought?

....

Assessment on Concept 1



Unit 10

First: **Choose the correct answer:**

1. Any triangle has at least .... acute angle(s). (0 or 1 or 2 or 3)
2. A triangle that contains one obtuse angle and two acute angles is called a/an .... triangle. (acute or right or equilateral or obtuse)
3. A .... is a quadrilateral with one pair of acute angles and one pair of obtuse angles. (square or rectangle or trapezium or parallelogram)
4. A .... is a quadrilateral in which all its sides are of equal length. (parallelogram or rhombus or rectangle or trapezium)
5. The rectangle whose width is $\frac{3}{4}$ cm and its area is 3 cm^2, its lengths is .... cm. ($\frac{9}{4}$ or 4 or $\frac{4}{9}$ or $\frac{4}{3}$)

Second: **Complete the following:**

1. A rectangle whose dimensions are $9\frac{1}{3}$ m and $2\frac{1}{7}$ m, its area is .... m^2.
2. A kite contains .... of adjacent sides that are congruent.
3. A quadrilateral that has only one pair of parallel sides is a ....
4. The type of triangle whose side lengths are 8 cm, 8 cm, and 8 cm according to the lengths of its sides is ....
5. Area of the rectangle = ... X ....

Third: **Answer the following:**

a. Draw a rectangle with length $5\frac{1}{3}$ units and width 3 units, then find its area.

....

b. A parking lot is $2\frac{1}{4}$ km long and $1\frac{1}{5}$ km wide. What is the area of the parking lot? ....

15 Marks

Model (1)

1 Choose the correct answer:

5

a $2 \times 3\frac{2}{5} = (2 \times 3) + (2 \times$ ....) $\quad (6, 6\frac{2}{5}, \frac{4}{5}, \frac{2}{5})$

b $\frac{2}{3} \times \frac{1}{7} =$ .... $\quad (\frac{2}{21}, \frac{3}{10}, \frac{2}{7}, 1)$

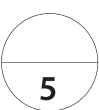
c $3\frac{2}{3} = \frac{......}{3}$ $\quad (8, 32, 11, 6)$

d $1\frac{1}{2}$ minutes = ... seconds. $\quad (90, 60, 70, 120)$

e The .... triangle has 3 equal sides.

(square , right-angled , scalene , equilateral)

2 Complete the following:



a The .... lines never intersect.

b If $3 \div d = 18$, then $d = \frac{......}{......}$

c .... $\div 9 = \frac{2}{......}$

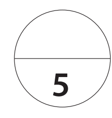
d $\frac{1}{4} \div 5 = \frac{1}{4} \times \frac{......}{......}$

e The following figure

$\frac{.....}{.....}$		$\frac{.....}{.....}$		$\frac{.....}{.....}$		$\frac{.....}{.....}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

shows that $\frac{......}{......} \div 2 = \frac{......}{......}$.

3 Answer the following:



a **Find the result:**

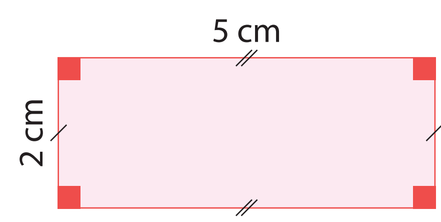
1 $\frac{1}{4} \times \frac{2}{5}$

....

2 $2 \div \frac{1}{3}$

....

b **Look at the following figure and answer:**



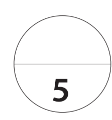
1 How many pairs of parallel sides? ....

2 How many lines of symmetry? ....

3 What is the area of the shape? ....

15 Marks Model (2)

1 Choose the correct answer:



a $\frac{1}{2}$ of 12 = ... (24 , 12 , 122 , 6)

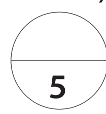
b $1\frac{2}{3} \times 2\frac{1}{7} = \frac{5}{3} \times \frac{\dots}{7}$ (15 , 14 , 7 , 3)

c $\frac{10}{3} = 3\frac{\dots}{3}$ (10 , 9 , 1 , 3)

d $2\frac{1}{4}$ years = 2 years and .... months. (3 , 4 , 6 , $\frac{1}{4}$)

e .... has one pair of parallel sides. (triangle , square , trapezium , rhombus)

2 Complete the following:



a The area of a square with side length $\frac{1}{3}$ units is $\frac{\dots}{\dots}$ square units.

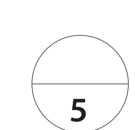
b $10 \div \frac{1}{3} =$ ....

c $\frac{1}{6} \times \frac{5}{6} = \frac{\dots}{\dots}$

d $2\frac{1}{9} + 2\frac{1}{9} + 2\frac{1}{9} + 2\frac{1}{9} = 4 \times$ .... $\frac{\dots}{\dots}$

e If $3 \times \frac{1}{5} = C$, then $C = \frac{\dots}{\dots}$

3 Answer the following:



a **Divide using models:**

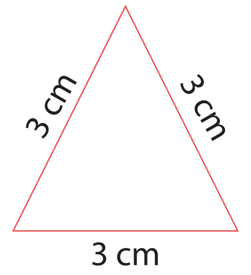
$\frac{1}{3} \div 5$

$\frac{\dots}{\dots}$					$\frac{\dots}{\dots}$					$\frac{\dots}{\dots}$				
$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$

....

b **Mention the type of each triangle according to its angles and sides:**

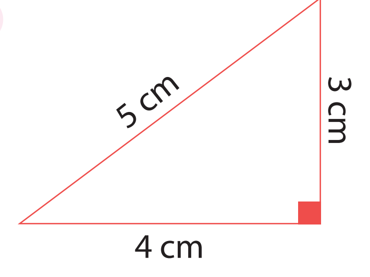
1



....

....

2



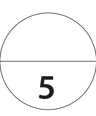
....

....

15 Marks

Model (3)

1 Choose the correct answer:



a $9 \div \frac{1}{5} =$ .... $(14, 12, \frac{1}{45}, 45)$

b $\frac{2}{7} \times \frac{1}{9} =$ .... $(\frac{2}{63}, \frac{3}{16}, \frac{1}{63}, 63)$

c $2\frac{1}{6}$ day = ... hours. $(48, 50, 52, 24)$

d Any triangle has at least .... acute angles. $(3, 2, 1, 4)$

e $(3 \times \frac{2}{7}) + (3 \times 1) =$ ....$\times 1\frac{2}{7}$ $(\frac{2}{7}, 1\frac{2}{7}, 3, 9)$

2 Complete the following:

5

a The two perpendicular lines make 4 .... angles.

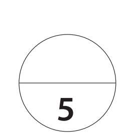
b $9 \div 7 =$ .... $\frac{\cdots}{\cdots}$

c $\frac{1}{5}$ of $\frac{3}{8} = \frac{\cdots}{\cdots}$

d 150 minutes = ... $\frac{\cdots}{\cdots}$ hours.

e The proper fraction that represents the division problem $3 \div 8$ is $\frac{\cdots}{\cdots}$.

3 Answer the following:



a **Read and answer:**

Sara has 6 kg of grapes. She wants to distribute them equally among some boxes, where each box contains $\frac{1}{5}$ kg. How many boxes does Sara need?

....

....

b Draw a rectangle with dimensions of $4\frac{1}{2}$ units and $2\frac{1}{2}$ units, then find its area.

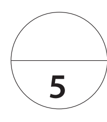
1	1	1	1	$\frac{1}{2}$
1	1	1	1	$\frac{1}{2}$
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$

....

....

15 Marks Model (4)

1 Choose the correct answer:



a $8 \times 2\frac{1}{5} =$ .... $+ (8 \times \frac{1}{5})$ $(10, 11, \frac{1}{5}, 16)$

b $\frac{2}{9} \times \frac{1}{10} =$ .... $(\frac{1}{45}, \frac{2}{10}, \frac{1}{90}, 90)$

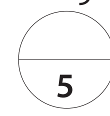
c $2 \div \frac{1}{7} =$ .... $(\frac{2}{7}, 9, 14, \frac{1}{2})$

d All of the geometric figures (triangle, rhombus, and trapezium) are ....

(3d shapes , polygons , non-polygons , quadrilaterals)

e $\frac{20}{9} =$ .... $(\frac{2}{9}, 2\frac{2}{9}, 3, 1\frac{2}{9})$

2 Complete the following:



a The area of a rectangle with length $2\frac{1}{2}$ units and width 2 units is .... square units.

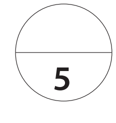
b $10 \div 7 =$ .... $\frac{......}{......}$

c $\frac{2}{3}$ of $\frac{3}{6} = \frac{......}{......}$

d 190 minutes = ... $\frac{......}{......}$ hours.

e The proper fraction that represents the division problem $4 \div 7$ is $\frac{......}{......}$.

3 Answer the following:



a **Multiply:**

$1\frac{1}{2} \times 2\frac{1}{3}$

....

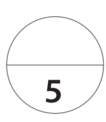
b **Draw on the dot plot:**

An acute-angled triangle.

15 Marks

Model (5)

1 Choose the correct answer:



a $1 \div \frac{1}{3} =$ .... $(\frac{1}{3}, 5, \frac{3}{2}, 3)$

b $3\frac{1}{5} \times 5 =$.................... $(16, 15, \frac{1}{2}, 3)$

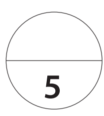
c $\frac{11}{3} = 3\frac{......}{3}$ $(17, 9, 2, 3)$

d $4\frac{1}{3}$ years = 4 years and .... months. $(3, 4, 6, \frac{1}{4})$

e Each of square and .... has 4 equal sides.

(triangle , rectangle , trapezium , rhombus)

2 Complete the following:



a The area of a square with side length $\frac{1}{4}$ units is $\frac{......}{......}$ square units.

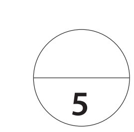
b $11 \div 4 =$ .... $\frac{......}{......}$

c $\frac{1}{3} \times \frac{5}{11} = \frac{......}{......}$

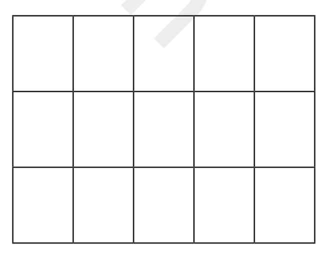
d $1\frac{1}{7} + 1\frac{1}{7} + 1\frac{1}{7} + 1\frac{1}{7} =$ .... $\times 1\frac{1}{7}$

e If $3 \times \frac{1}{4} = d$, then $d = \frac{......}{......}$

3 Answer the following:



a Multiply $\frac{4}{5} \times \frac{2}{3}$ using models.



....

b What is the kind of a triangle with sides 5cm, 5cm, 5cm according to:

- Its side lengths?

....

- Its angles?

....

15 Marks

Model (1)

1 Choose the correct answer:

5

a $2 \times 3\frac{2}{5} = (2 \times 3) + (2 \times$ ....) $\quad (6, 6\frac{2}{5}, \frac{4}{5}, \frac{2}{5})$

b $\frac{2}{3} \times \frac{1}{7} =$ .... $\quad (\frac{2}{21}, \frac{3}{10}, \frac{2}{7}, 1)$

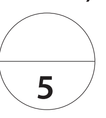
c $3\frac{2}{3} = \frac{......}{3}$ $\quad (8, 32, 11, 6)$

d $1\frac{1}{2}$ minutes = ... seconds. $\quad$ (90 , 60 , 70 , 120)

e The .... triangle has 3 equal sides.

(square , right-angled , scalene , equilateral)

2 Complete the following:



a The parallel lines never intersect.

b If $3 \div d = 18$, then $d = \frac{1}{6}$

c $2 \div 9 = \frac{2}{9}$

d $\frac{1}{4} \div 5 = \frac{1}{4} \times \frac{1}{5}$

e The following figure

$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$	
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

shows that $\frac{1}{4} \div 2 = \frac{1}{8}$.



3 Answer the following:

5

a **Find the result:**

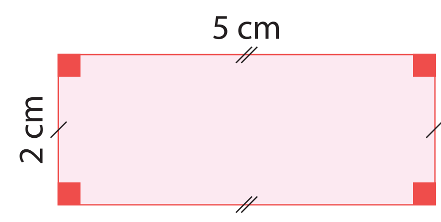
1 $\frac{1}{4} \times \frac{2}{5}$

$\frac{1}{4} \times \frac{2}{5} = \frac{2}{20} = \frac{1}{10}$

2 $2 \div \frac{1}{3}$

$2 \div \frac{1}{3} = 2 \times 3 = 6$

b **Look at the following figure and answer:**



1 How many pairs of parallel sides? 2

2 How many lines of symmetry? 2

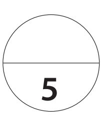
3 What is the area of the shape? Area = Length x width

= 2 x 5 = 10 square centimeter

15 Marks

Model (2)

1 Choose the correct answer:



a $\frac{1}{2}$ of 12 = ... (24 , 12 , 122 , 6)

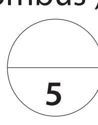
b $1\frac{2}{3} \times 2\frac{1}{7} = \frac{5}{3} \times \frac{......}{7}$ (15 , 14 , 7 , 3)

c $\frac{10}{3} = 3\frac{......}{3}$ (10 , 9 , 1 , 3)

d $2\frac{1}{4}$ years = 2 years and .... months. (3 , 4 , 6 , $\frac{1}{4}$)

e .... has one pair of parallel sides. (triangle , square , trapezium , rhombus)

2 Complete the following:



a The area of a square with side length $\frac{1}{3}$ units is $\frac{1}{9}$ square units.

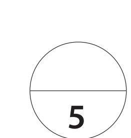
b $10 \div \frac{1}{3} = 30$

c $\frac{1}{6} \times \frac{5}{6} = \frac{5}{36}$

d $2\frac{1}{9} + 2\frac{1}{9} + 2\frac{1}{9} + 2\frac{1}{9} = 4 \times 2\frac{1}{9}$

e If $3 \times \frac{1}{5} = C$, then $C = \frac{3}{5}$

3 Answer the following:



a **Divide using models:**

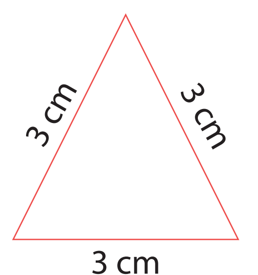
$\frac{1}{3} \div 5$

$\frac{1}{3}$					$\frac{1}{3}$					$\frac{1}{3}$				
$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{15}$

$\frac{1}{3} \div 5 = \frac{1}{15}$

b **Mention the type of each triangle according to its angles and sides:**

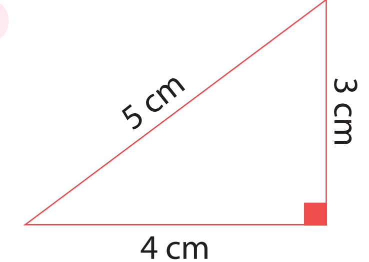
1



Acute-angled triangle

An equilateral triangle

2



Right-angled triangle

Scalene triangle

15 Marks

Model (3)

1 Choose the correct answer:

5

a $9 \div \frac{1}{5} =$ .... (14 , 12 , $\frac{1}{45}$, **45**)

b $\frac{2}{7} \times \frac{1}{9} =$ .... (**$\frac{2}{63}$** , $\frac{3}{16}$, $\frac{1}{63}$, 63)

c $2\frac{1}{6}$ day = ... hours. (48 , 50 , **52** , 24)

d Any triangle has at least .... acute angles. (3 , **2** , 1 , 4)

e $(3 \times \frac{2}{7}) + (3 \times 1) =$ .... $\times 1\frac{2}{7}$ ($\frac{2}{7}$, $1\frac{2}{7}$, **3** , 9)

2 Complete the following:

5

a The two perpendicular lines make 4 right angles.

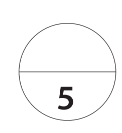
b $9 \div 7 = 1\frac{2}{7}$

c $\frac{1}{5}$ of $\frac{3}{8} = \frac{3}{40}$

d 150 minutes = $2\frac{1}{2}$ hours.

e The proper fraction that represents the division problem $3 \div 8$ is $\frac{3}{8}$.

3 Answer the following:



5

a **Read and answer:**

Sara has 6 kg of grapes. She wants to distribute them equally among some boxes, where each box contains $\frac{1}{5}$ kg. How many boxes does Sara need?

Number of boxes $= 6 \div \frac{1}{5}$

$= 6 \times 5 = 30$ boxes

b Draw a rectangle with dimensions of $4\frac{1}{2}$ units and $2\frac{1}{2}$ units, then find its area.

1	1	1	1	$\frac{1}{2}$
1	1	1	1	$\frac{1}{2}$
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$

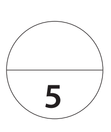
The area $= 4\frac{1}{2} \times 2\frac{1}{2}$

$= \frac{9}{2} \times \frac{5}{2} = \frac{45}{4} = 11\frac{1}{4}$ square units

15 Marks

Model (4)

1 Choose the correct answer:



a $8 \times 2\frac{1}{5} =$ .... $+ (8 \times \frac{1}{5})$ (10 , 11 , $\frac{1}{5}$, **16**)

b $\frac{2}{9} \times \frac{1}{10} =$ .... ($\frac{1}{45}$, $\frac{2}{10}$, $\frac{1}{90}$, 90)

c $2 \div \frac{1}{7} =$ .... ($\frac{2}{7}$, 9 , **14** , $\frac{1}{2}$)

d All of the geometric figures (triangle, rhombus, and trapezium) are ....

(3d shapes , **polygons** , non-polygons , quadrilaterals)

e $\frac{20}{9} =$ .... ($\frac{2}{9}$, $2\frac{2}{9}$, 3 , $1\frac{2}{9}$)

2 Complete the following:

5

a The area of a rectangle with length $2\frac{1}{2}$ units and width 2 units is **5** square units.

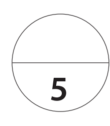
b $10 \div 7 = 1\frac{3}{7}$

c $\frac{2}{3}$ of $\frac{3}{6} = \frac{1}{3}$

d 190 minutes = $3\frac{1}{6}$ hours.

e The proper fraction that represents the division problem $4 \div 7$ is $\frac{4}{7}$.

3 Answer the following:



a **Multiply:**

$1\frac{1}{2} \times 2\frac{1}{3}$

$1\frac{1}{2} \times 2\frac{1}{3} = \frac{3}{2} \times \frac{7}{3} = \frac{7}{2} = 3\frac{1}{2}$

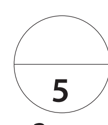
b **Draw on the dot plot:**

An acute-angled triangle.

15 Marks

Model (5)

1 Choose the correct answer:



a $1 \div \frac{1}{3} =$ .... ($\frac{1}{3}$, 5 , $\frac{3}{2}$, 3)

b $3\frac{1}{5} \times 5 =$.......................... (16 , 15 , $\frac{1}{2}$, 3)

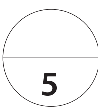
c $\frac{11}{3} = 3\frac{\cdots}{3}$ (17 , 9 , 2 , 3)

d $4\frac{1}{3}$ years = 4 years and .... months. (3 , 4 , 6 , $\frac{1}{4}$)

e Each of square and .... has 4 equal sides.

(triangle , rectangle , trapezium , rhombus)

2 Complete the following:



a The area of a square with side length $\frac{1}{4}$ units is $\frac{1}{16}$ square units.

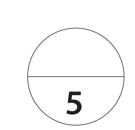
b $11 \div 4 = 2\frac{3}{4}$

c $\frac{1}{3} \times \frac{5}{11} = \frac{5}{33}$

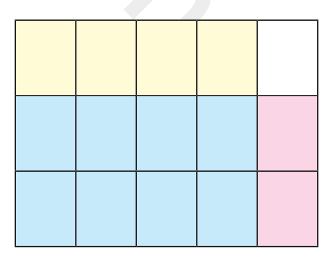
d $1\frac{1}{7} + 1\frac{1}{7} + 1\frac{1}{7} + 1\frac{1}{7} = 4 \times 1\frac{1}{7}$

e If $3 \times \frac{1}{4} = d$, then $d = \frac{3}{4}$

3 Answer the following:



a Multiply $\frac{4}{5}$ x $\frac{2}{3}$ using models.



$\frac{4}{5} \times \frac{2}{3} = \frac{8}{15}$

b What is the kind of a triangle with sides 5cm, 5cm, 5cm according to:

- Its side lengths?

Equilateral triangle

- Its angles?

Acute-angled triangle

General Revision On Unit 9

1. Complete the following.

1. $2\frac{1}{5} = \frac{\quad}{5}$ [Kafr El-Sheikh 23]

2. $2\frac{3}{4} \times 5 = [5 \times \frac{3}{4}] + [5 \times$ ....] [El Beheira 23]

3. $2\frac{3}{11} \times 3 =$ .... [Assiut 23]

4. $3\frac{1}{4} \times \frac{1}{2} = [3 +$ .... $] \times \frac{1}{2}$ [El Monofia - El Shohadaa 23 , Souhag 23]

5. If $\frac{1}{3} \times b = \frac{2}{9}$, then b = ... [Aswan - Kom Ombo 23]

6. $4 \times \frac{1}{4} =$ .... [El Monofia - Talaa 23 , Ismailia 23]

7. $2 \times 3\frac{5}{8} =$ .... (in simplest form) [Qena 23]

8. $\frac{1}{3}$ of 12 squares = ... squares. [Cairo - El Zaiton 23]

9. If $a \times \frac{3}{17} = \frac{3}{17}$, then a = ... [Giza - 6th October 23]

10. If $\frac{7}{8} \times 12 = \frac{14}{8} \times x$, then $x =$ .... [Giza - Awseem 23]

11. $2\frac{1}{5} \times 2 =$ .... [Giza - El Haram 23]

12. $\frac{3}{\quad} \times \frac{5}{8} = \frac{15}{56}$ [Suez 23]

13. If $\frac{1}{3} \times a = 2$, then a = ... [Port Said 23]

14. $\frac{4}{11} \times$ .... $= \frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{4}{11}$ [Cairo - El Sharabia 23]

15. $\frac{2}{3}$ of 9 = ... [El Menia - Bani Mazar 23]

16. $\frac{2}{3} \times \frac{3}{8} \times \frac{8}{9} =$ .... [Cairo - Bab El Sharya 23]

17. $\frac{4}{5} \times \frac{5}{32} =$ .... (in the simplest form) [El Menia - Deir Mawas 23]

18. $\frac{3}{5} \times \frac{\quad}{4} = \frac{3}{5}$ [El Menia - Mallawi 23]

19. $\frac{1}{3} \times$ .... $= \frac{1}{9}$ [El Beheira - El Nobaria 23]

20. $\frac{2}{11} \times$ .... $= \frac{3}{11}$ [El Monofia - Quesna 23]

21. $16 \div 7 = 2\frac{\quad}{7}$ [Kafr El-Sheikh 23]

22. The quotient of : 8 ÷ 5 = ... [El Monofia - Ashmoon 23]

23. Nora divides 6 hours equally to study 4 subjects , then the number of hours for each subject is .... hour(s). [El Monofia - Ashmoon 23]

24. $\frac{3}{5} \times$ .... $= 1$ [Port Said 23]

25. $2\frac{2}{5} \times 1\frac{2}{3} =$ .... [Alexandria - Agami 23]

26. $6 \div \frac{1}{3} =$ .... [Beni Suef 23]

27. If $\frac{1}{3} \div a = \frac{1}{12}$, then $a =$ .... [Assiut 23]

28. $18 \div \frac{1}{2} = 18 \times$ .... [Cairo - Shoubra 23]

29. $4\frac{1}{4} \times \frac{3}{5} = \frac{\ldots}{4} \times \frac{3}{5}$ [Alexandria - Agami 23]

---

2. Choose the correct answer.

1. The number of thirds in one is .... [Cairo - Bab El Sharya 23 , Kafr El-Sheikh 23]

   A. 1 B. 2 C. 3 D. $\frac{1}{3}$

2. $2 \div \frac{1}{4} =$ .... [Cairo - El Zaiton 23 , El Monofia - Ashmoon 23]

   A. $\frac{1}{2}$ B. 2 C. 4 D. 8

3. $4 \div \frac{1}{2} =$ .... [El Monofia - Talaa 23 , Kafr El-Sheikh 23]

   A. 2 B. 6 C. 8 D. $4\frac{1}{2}$

4. $\frac{1}{5} \div 4 =$ .... [Giza - Awseem 23 , Suez 23]

   A. $\frac{4}{5}$ B. $\frac{5}{4}$ C. 20 D. $\frac{1}{20}$

5. If $8 \div m = 24$, then $m =$ .... [Kafr El-Sheikh 23]

   A. 3 B. $\frac{1}{3}$ C. $\frac{1}{2}$ D. 32

6. $5 \times \frac{1}{5} \bigcirc 5 \div \frac{1}{5}$ [Alexandria - Montaza 23]

   A. $<$ B. $=$ C. $>$ D. $\geq$

7. $7 \div \frac{1}{8} = 7 \times$ .... [Cairo - Helwan 23]

   A. $\frac{1}{8}$ B. $\frac{2}{4}$ C. 4 D. 8

8. $2\frac{1}{3} \times \frac{3}{7} =$ .... [Kafr El-Sheikh 23]

   A. $\frac{4}{4}$ B. $\frac{3}{7}$ C. $2\frac{1}{7}$ D. $\frac{7}{3}$

9. If $12 \div 7 = 1\frac{a}{7}$, then a = ... [Giza - 6th October 23]

A. 2 **B.** 7 **C.** 5 **D.** 12

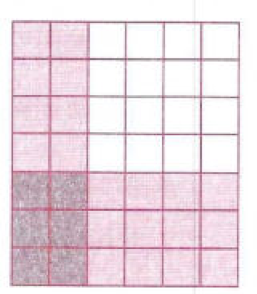
10. $13 \div 7$ equals each of the following except .... [Cairo - Bab El Sharya 23]

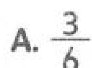
A. $1 + \frac{6}{7}$ **B.** $1\frac{6}{7}$ **C.** $1 \times \frac{6}{7}$ **D.** $\frac{26}{14}$

11. The division problem that expresses the following situation "5 oranges shared by 7 students" is .... [El Menia - Bani Mazar 23]

A. $2 \div 5$ **B.** $5 \div 2$ **C.** $5 \div 7$ **D.** $7 \div 5$

12. Study the multiplication area model and fill the missing fraction $\frac{2}{6} \times$ ....





A. $\frac{3}{6}$

B. 3

C. $\frac{3}{7}$

D. $\frac{6}{7}$

[Assiut 23]

13. If $\frac{1}{4} \times m = \frac{1}{20}$, then m = ... [El Beheira 23]

A. 5 **B.** $\frac{1}{5}$ **C.** 10 **D.** $\frac{1}{10}$

14. If $\frac{3}{7} \times b = \frac{3}{7} + \frac{3}{7}$, then b = ... [El Monofia - Talaa 23]

A. 1 **B.** 2 **C.** 3 **D.** 7

15. $\frac{1}{2} \times \frac{3}{2} \bigcirc \frac{1}{2}$ [El Monofia - El Sadaat 23]

A. $<$ **B.** $>$ **C.** $=$ **D.** $\leq$

16. $5 \times \frac{3}{7} \bigcirc 7 \times \frac{3}{7}$ [El Menia - Deir Mawas 23]

A. $>$ **B.** $<$ **C.** $=$ **D.** $\geq$

17. If $\frac{1}{3} \times a = 1\frac{1}{3}$, then a = ... [Kafr El-Sheikh 23]

A. 1 **B.** 2 **C.** 3 **D.** 4

18. $3 \times \frac{5}{9} =$ .... $\times \frac{3}{9}$ [El Monofia - El Sadaat 23]

A. 5 **B.** 3 **C.** 9 **D.** $\frac{3}{5}$

19. The unit fraction is a fraction with numerator = ... [Luxor 23]

A. 1 **B.** 2 **C.** 3 **D.** 0

20. $1\frac{2}{3}$ = ... as improper fraction. [El Menia - Mallawi 23]

A. $\frac{3}{2}$ B. $\frac{2}{3}$ C. $\frac{5}{3}$ D. $\frac{5}{2}$

21. $\frac{17}{2}$ is equivalent to .... [Beni Suef 23]

A. $8\frac{1}{2}$ B. $6\frac{1}{2}$ C. $5\frac{1}{2}$ D. $1\frac{2}{7}$

3. Answer the following questions.

1. If the price of 16 pens is 26 L.E. Find the price of each one. [Giza - 6th October 23]

2. If the price of a pen is $2\frac{1}{2}$ pounds. Find the price of 6 pens. [El Menia - Mallawi 23]

3. Maya ate $\frac{1}{4}$ of 24 candies. How many candies are left ? [El Menia - Deir Mawas 23]

4. Moustafa is harvesting sugarcane. He can harvest $3\frac{3}{4}$ kg. of sugarcane in 1 hour. If he plans to work for $2\frac{1}{2}$ hours , how much sugarcane will he harvest ?

[Cairo - El Sahel 23 , El Fayoum 23]

5. Giovanni earns $7\frac{1}{4}$ L.E. for an hour. He works 4 hours per day. How much money does he earn per day ? [Giza - Awseem 23]

6. There are 8 bags of fava beans , each bag has a mass of $\frac{3}{4}$ of a kilogram. What is the total mass of the fava beans ? [Cairo - El Zaiton 23]

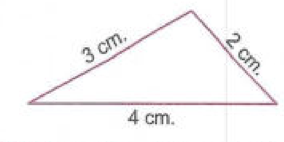
7. Adel has 5 pieces of candy , he wants to divided them among the number of his friends. If each of them has a share $\frac{1}{2}$ piece. How many friends do he have ? [Aswan - Edfo 23]

8. Fatma feeds her cat $\frac{1}{8}$ of kilogram of cat food each day. How much cat food does she need to feed her cat for 3 days ? [El Monofia - Berket El Sabea 23 , Menof 23 , El Sadaat 23]

General Revision On Unit 10

1. Complete the following.

1. The opposite triangle is called ________ triangle.



[El Monofia - Menof 23]

2. In the equilateral triangle , lengths of two sides are 5 cm and 5 cm , then the length of third side is ________ cm. [Alexandria - Amreya 23]

3. Any triangle has at least ________ acute angle[s].

[Assiut 23 , El Monofia - Menof 23 , Berket El Sabea 23 , Bani Suef 23 , Cairo - El Sahel 23]

4. The angle of measure less than 90° is ________ angle. [Souhag 23 , El Menia - Deir Mawas 23]

5. If the triangle is an equilateral triangle , then the three sides are ________ [Luxor 23]

6. In $\triangle ABC$, if m ($\angle$ A) = 30° , m ($\angle$ B) = 60° and m ($\angle$ C) = 90° , then the type of the triangle according to its angles is ________-angled triangle. [Assiut 23]

7. In $\triangle ABC$, if AB = BC = 7 cm and AC = 5 cm , then the triangle ABC is a/an ________ triangle. [El Monofia - El Sadaat 23]

8. Area of rectangle = ________ × width. [Luxor 23 , Suez 23]

9. The area of rectangle of dimensions 2 m and $2\frac{1}{2}$ m = ________ [Aswan - Edfo 23]

10. If the area of rectangle is 42 cm^2 and its length is 7 cm , then its width = ________ cm.

[Alexandria - Amreya 23]

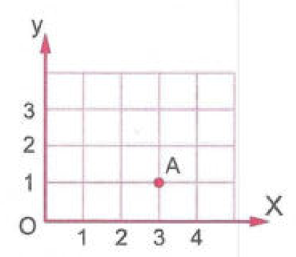
11. The area of rectangle of dimensions $\frac{1}{7}$ m and $\frac{1}{5}$ m is ________ m^2. [El Fayoum 23]

12. The area of rectangle of dimensions $\frac{1}{3}$ length unit and $\frac{1}{4}$ length unit is ________ square unit. [El Beheira - El Nobaria 23]

13. The x-coordinate of the point (3 , 4) is ________ [Giza - 6th October 23]

14. The x-coordinate of the origin point is ________ [Cairo - Bab El Sharya 23]

15. The order pair which represents A is (________ , ________)



[Alexandria - Agami 23]

16. Use the number line to answer the questions

[a] What is the value of A ? ....

[b] What is the value of B ? ....

[c] What is the value of C ? ....

[d] What is distance between A and C ? ....

0 A B C 10

[Cairo - El Sharabia 23]

17. In the following grid :

Write the ordered pair for each point.

A (.........., ...)

B (.........., ...)

C (.........., ...)

D (.........., ...)

[Cairo - El Sharabia 23]

18. The y-coordinate in the order pair (5 , 4) is ....

[Ismailia 23]

19. In the coordinate plane , the vertical axis is called ....-axis.

[Alexandria - Amreya 23]

20. **In the opposite number line :**

The length of $\overline{AB}$ = ... unit[s] length.

0 1 2 3 4 5 (A at 1, B at 5)

[El Monofia - Menof 23 , Berket El Sabea 23]

21. The point (0 , 5) lies on ....

[Qena 23]

22. In the points (1 , 5) , (2 , 10) and (3 , 15) .... values increased by 5. [Aswan - Edfo 23]

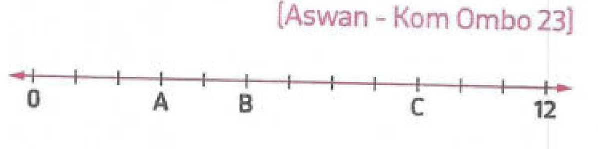
23. **From the opposite coordinate plane :**

a. The point D = (.........., ...)

b. The name of the figure ABCD is ....

[Aswan - Kom Ombo 23]

24. **Use the number line to answer the questions.**



a. How far is point A from B ? .... units.

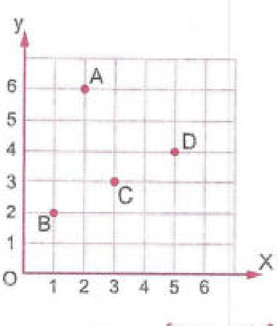
b. How far is point B from C ? .... units.

[Kafr El-Sheikh 23]

25. Write the ordered pair of the points :

A (............) , B (............)

C (............) , D (............)



[Suez 23]

2. Choose the correct answer.

1. The triangle whose measures of angles are 40° , 30° and .... is an obtuse-angled triangle. [Alexandria - Montaza 23]

A. 50° B. 40° C. 90° D. 110°

2. The scalene triangle has .... equal side[s]. [Alexandria - Agami 23]

A. 0 B. 1 C. 2 D. 3

3. In any triangle , there are .... obtuse angle[s] at most. [Alexandria - Agami 23]

A. 0 B. 1 C. 2 D. 3

4. The .... has 3 sides. [Luxor 23]

A. triangle B. quadrilateral C. pentagon D. hexagon

5. In $\triangle ABC$, $m(\angle A) = 90°$, $m(\angle B) = 40°$ and $m(\angle C) = 50°$, then the triangle is .... -angled triangle. [Aswan - Kom Ombo 23]

A. acute B. obtuse C. right D. straight

6. If AB = 3 cm , BC = 4 cm and AC = 6 cm , then the triangle ABC is .... triangle. [Beni Suef 23]

A. isosceles B. equilateral C. scalene D. otherwise

7. The measure of the right angle is .... ° [Suez 23]

A. 90 B. 80 C. 89 D. 180

8. The measure of an obtuse angle .... the measure of right angle. [Port Said 23]

A. < B. > C. = D. Otherwise

9. In $\triangle XYZ$, $m(\angle X) = 130°$, $m(\angle Y) = m(\angle Z) = 25°$, then the triangle is .... -angled triangle. [Kafr El-Sheikh 23]

A. acute B. obtuse C. right D. scalene

10. The triangle whose side lengths are .... is an isosceles triangle. [Kafr El-Sheikh 23]

A. 4 , 5 , 3 cm B. 4 , 4 , 3 cm C. 5 , 5 , 5 cm D. 6 , 7 , 8 cm

11. ______-angled triangle has 3 acute angles. [El Monofia - El Shohadaa 23]
    A. Right B. Acute C. Obtuse D. otherwise

12. The opposite triangle is ______
    A. equilateral B. isosceles
    C. scalene D. obtuse

5 cm. 5 cm. 6 cm.

[Cairo - Bab El Sharya 23]

13. If the side lengths of triangle are different , then the triangle is called ______ [Qena 23]
    A. equilateral B. isosceles C. scalene D. right

14. The triangle is a polygon that has ______ side[s]. [Giza - El Haram 23]
    A. 1 B. 2 C. 3 D. 4

15. If m (∠ A) = 40° , m (∠ B) = 70° and m (∠ C) = 70° , then it's ______ triangle. [El Monofia - Quesna 23]
    A. an acute B. a right C. an obtuse D. otherwise

16. Area of rectangle = ______ [El Fayoum 23]
    A. L + W B. L × W C. L ÷ W D. [L + W] × 2

17. The area of the opposite rectangle = ______ square units.
    A. 10 B. 8
    C. 6 D. 4

[Aswan - Edfo 23]

18. A window in shape of rectangle its length 1 m and width $\frac{1}{2}$ m , then its area = ______ m^2 [El Menia - Deir Mawas 23]
    A. $\frac{3}{2}$ B. $\frac{2}{3}$ C. $\frac{1}{2}$ D. 1

19. The area of rectangle of length $\frac{3}{4}$ m and width $\frac{4}{5}$ m is ______ [Assiut 23]
    A. $\frac{3}{5}$ m B. $\frac{7}{9}$ m^2 C. $\frac{4}{3}$ m D. $\frac{3}{5}$ m^2

20. I am a triangle with only 2 equal sides , the measure of one of my angles is greater than 90°. What kind of triangle am I ? ______ [Giza - Awseem 23]
    A. Isosceles , right B. Isosceles , obtuse C. Scalene , obtuse D. Isosceles , acute

21. Use the number line : What is the value of A ?
    A. $1\frac{1}{4}$ B. $1\frac{1}{2}$
    C. 2 D. 1

A 0 1 2

[Alexandria - Agami 23]

22. The following figure ⟷ is called ________ [Cairo - El Zaitoon 23]

A. angle B. ray C. straight line D. line segment

23. In the opposite number line , the value of B is ________

0 A B C 10

A. 7 B. 1 C. 5 D. 6 [Giza - Kerdasa 23]

24. **From opposite number line :**

The distance between

E and T = ________ units.

E T 2 3

[El Menia - Deir Mawas 23]

A. 2 B. $1\frac{1}{2}$ C. 3 D. $3\frac{1}{2}$

25. From the opposite number line :

A B 0 1 2 3 4

The distance between A and B = ________ unit(s). [Aswan - Kom Ombo 23]

A. 3 B. 5 C. $\frac{1}{2}$ D. $2\frac{1}{2}$

26. The vertical number line in coordinate plane is called ________ [Cairo - El Zaiton 23]

A. origin point B. y-axis C. x-axis D. ordered pair

27. The x-coordinate in the ordered pair (8 , 10) is ________ [Cairo - El Zaiton 23]

A. 4 B. 8 C. 0.6 D. 10

28. Which of the following points located on x-axis ? ________ [Qena 23]

A. (4 , 0) B. (0 , 4) C. (4 , 5) D. (5 , 4)

29. The origin point is ________ [El Menia - Mallawi 23]

A. (3 , 0) B. (0 , 3) C. (0 , 0) D. (1 , 1)

30. The ________ is the point of intersection of the x-axis with the y-axis.

[El Monofia - Menof 23]

A. origin B. starting point C. ending point D. ordered pair

3. Answer the following questions.

1. A mosque has a window that is $\frac{3}{10}$ meter wide and 2 meters long.

What is the area of the window in square meter ? [Aswan - Edfo 23]

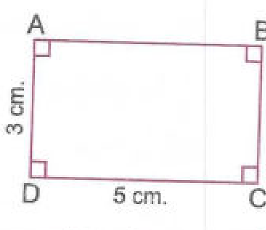
2. Count the unit(s) to determine the area of opposite rectangle.

Number of unit(s) = ________ ☐

Area using rule = ________

[Giza - Kerdasa 23]

3. Find the area of the opposite shape ?



[Alexandria - Amerya 23]

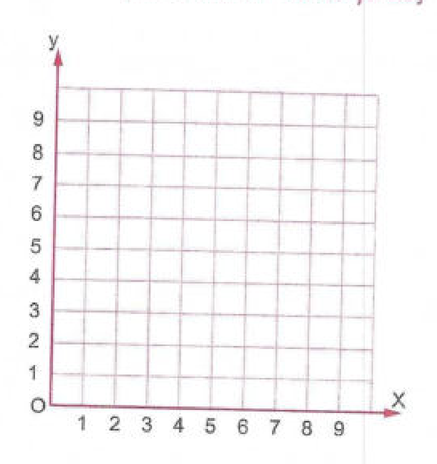
4. In the opposite coordinate plane :

Graph the figure ABCD where

A (2 , 8) , B (3 , 4) , C (8 , 4) , D (7 , 8)

[a] What is the name of the figure ABCD ?

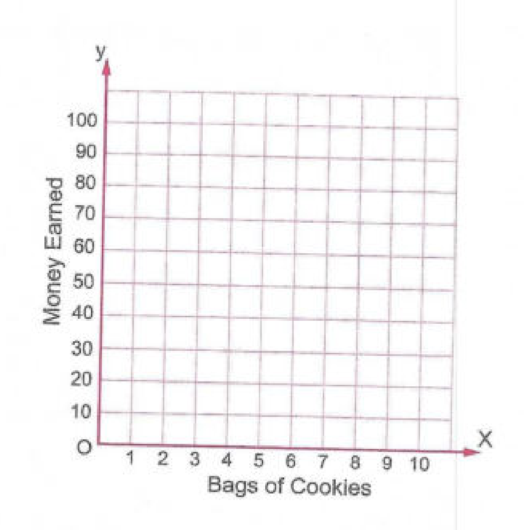
[b] $\overline{AD}$ // ....



[El Monofia - Talaa 23]

5. Yara is selling bags of cookies to make extra money. She earns 10 L.E. for each bag of cookies. Complete the table then graph the points on the coordinate grid.

Bags	2	4	7	8
Money	......	......	......	......



[Kafr El-Sheikh 23]

April Tests — From lesson **7** unit **9** – To lesson **9** unit **10**



Test 1

1. Choose the correct answer. (5 marks)

1. If m (∠ X) = 40°, m (∠ Y) = 90° and m (∠ Z) = 50°, then the triangle is .... angled triangle.
   A. an acute **B.** a right **C.** an obtuse
2. If $\frac{1}{3} \div a = \frac{1}{6}$, then a = ...
   A. 3 **B.** $\frac{1}{2}$ **C.** 2 **D.** $\frac{1}{3}$
3. $\frac{3}{7}$ m × $\frac{1}{3}$ m = ...
   A. $\frac{3}{21}$ m **B.** $\frac{1}{7}$ m^2 **C.** $\frac{4}{10}$ m^2 **D.** $\frac{1}{7}$ cm^2
4. 5 bales of cotton shared by 3 manufacturers is represented by ....
   A. 3 ÷ 5 **B.** 3 + 5 **C.** 5 – 3 **D.** 5 ÷ 3
5. The parallelogram with 4 right angles is called a ....
   A. square **B.** rectangle **C.** rhombus **D.** trapezium

2. Complete the following. (5 marks)

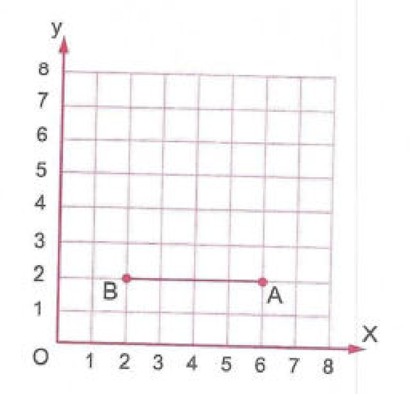
1. The polygon which has six sides is called ....
2. The x-coordinate of the point (1, 4) is ....
3. $4 \div \frac{1}{7} =$ ....
4. If the price of 8 pens is 36 L.E., then the price of each pen = ... L.E.
5. If $12 \div 8 = 1\frac{1}{x}$, then $x =$ ....

3. a. A house has a door that is $1\frac{1}{2}$ m wide and $2\frac{1}{2}$ m long.
What is the area of the door in square meters? (2 marks)

....

....

b. Khaled is making a design using the grid. Starting from point A and match with point B. Place the coordinates of point C to create an isosceles right-angled triangle at A (3 marks)





Test 2

1. Choose the correct answer. (5 marks)

1. The .... is a rhombus with 4 right angles.

   A. parallelogram B. rectangle C. trapezium D. square

2. The triangle whose side lengths are .... is an equilateral triangle.

   A. 7 cm , 6 cm , 5 cm B. 5 cm , 7 cm , 5 cm

   C. 4 cm , 4 cm , 4 cm D. 8 cm , 8 cm , 3 cm

3. If $5 \div \frac{1}{3} = x$, then $x =$ ....

   A. 15 B. $\frac{5}{3}$ C. $\frac{3}{5}$ D. 8

4. $6\frac{1}{2} =$ .... $\div 2$

   A. 6 B. 11 C. 9 D. 13

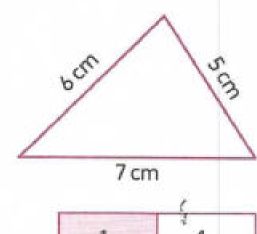
5. The point .... is called the origin point.

   A. (1 , 0) B. (0 , 1) C. (1 , 1) D. (0 , 0)

2. Complete the following.



1. The area of the rectangle = ... × ....
2. If 5 ÷ a = 10 , then a = ...
3. The opposite triangle is called .... triangle.



4. The opposite figure represents .... ÷ ....

$\frac{1}{2}$			$\frac{1}{2}$		
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

5. The subcategory between the square and the rectangle , they have .... angles.

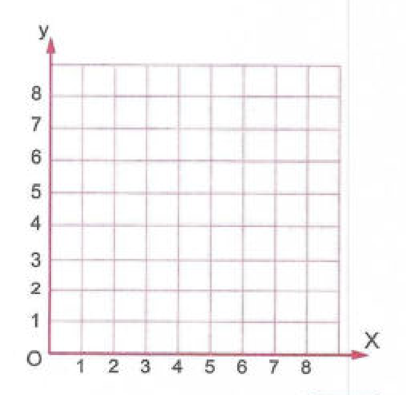
3. a. How many sevenths are in the number 5 ? (2 marks)

....

....

b. In the opposite coordinate plane : (3 marks)

1. Graph the figure ABCD where A (2 , 8) , B (3 , 4) , C (8 , 4) and D (7 , 8)
2. What is the length of $\overline{AD}$?







March Questions Bank



Question 01 choose the correct answer



1. $\frac{1}{9}$ .... $\frac{1}{9} \times 9$
   - (a) >
   - (b) <
   - (c) ≤
   - (d) =

2. $\frac{7}{14}$ + a = 1 , then a = ...
   - (a) $\frac{8}{14}$
   - (b) $\frac{5}{14}$
   - (c) $\frac{1}{2}$
   - (d) $\frac{5}{7}$

3. $\frac{5}{9} \times$..... = 1
   - (a) $\frac{1}{9}$
   - (b) $\frac{6}{5}$
   - (c) $\frac{9}{9}$
   - (d) $\frac{9}{5}$

4. $1\frac{1}{2} \times \frac{3}{8}$ = ...
   - (a) $\frac{9}{8}$
   - (b) $1\frac{3}{16}$
   - (c) $\frac{9}{16}$
   - (d) 1

5. $\frac{1}{5} \div 5$ = ...
   - (a) 1
   - (b) $\frac{1}{25}$
   - (c) $\frac{1}{10}$
   - (d) 2

6. $2\frac{1}{2}$ years = ... month
   - (a) 30
   - (b) 40
   - (c) 32
   - (d) 18

7. The number of fourths in 5 = ...
   - (a) 5
   - (b) 10
   - (c) 15
   - (d) 20

8. $\frac{3}{8}\ m \times \frac{1}{3}\ m$ = ...
   - (a) $\frac{1}{8}\ m^2$
   - (b) $\frac{1}{8}$ cm^2
   - (c) 1 m^2
   - (d) $\frac{3}{24}\ m$

9. The triangle that measures of angles is 20 , 30 and .... is obtuse angled triangle .
   - (a) 50
   - (b) 90
   - (c) 130
   - (d) 20

10. The polygon hexagon which has .... sides
    - (a) 4
    - (b) 3
    - (c) 6
    - (d) 5

11. The rectangle that all sides are equal in length is ....
    - (a) parallelogram
    - (b) square
    - (c) kite
    - (d) trapezoid

12. The Area of rectangle of the length $\frac{2}{3}$ cm and width $\frac{2}{5}$ cm is ...... cm^2

ⓐ $\frac{3}{20}$ ⓑ $\frac{10}{6}$ ⓒ $\frac{4}{9}$ ⓓ $\frac{4}{15}$

13. $3\frac{2}{3} \times m = 1$, m = ...

ⓐ $\frac{11}{3}$ ⓑ $\frac{2}{3}$ ⓒ 1 ⓓ $\frac{3}{11}$

14. Area of rectangle = ...

ⓐ L × w ⓑ L + W ⓒ L ÷ W ⓓ (2 + w) × 2

15. The measure of the right angle is ....

ⓐ 80 ⓑ 30 ⓒ 90 ⓓ 100

16. $5 \div \frac{1}{5}$ = ...

ⓐ $\frac{1}{5}$ ⓑ 25 ⓒ 1 ⓓ $\frac{1}{25}$

17. If AB = 3 cm , BC= 4cm and AC= 6 cm, then the triangle ABC is ....Triangle

ⓐ isosceles ⓑ scalene ⓒ equilateral ⓓ otherwise

18. $\frac{17}{2}$ is equivalent to ....

ⓐ $1\frac{2}{7}$ ⓑ $5\frac{1}{2}$ ⓒ $6\frac{5}{2}$ ⓓ $8\frac{1}{2}$

19. $2\frac{1}{3} \times \frac{3}{7}$ = ...

ⓐ 8 ⓑ $\frac{4}{4}$ ⓒ $\frac{3}{7}$ ⓓ $\frac{7}{3}$

20. $5 \times \frac{3}{7}$ .... $7 \times \frac{3}{7}$

ⓐ $<$ ⓑ $>$ ⓒ = ⓓ ≤

21. The unit fraction is a fraction with a numerator = ...

ⓐ 3 ⓑ 1 ⓒ 2 ⓓ 9

22. The number of fifths in 3 is ....

ⓐ 5 ⓑ 10 ⓒ 15 ⓓ $\frac{5}{3}$

23. In any triangle , there are ....acute angles at least

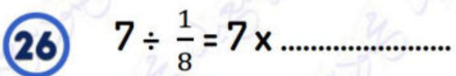
ⓐ 1 ⓑ 3 ⓒ 2 ⓓ 0

24. The simplest form of $\frac{24}{18}$ is $\frac{a}{3}$ then a =............

ⓐ 4 ⓑ 2 ⓒ 6 ⓓ 8

25. $\frac{2}{6} \times 3$ = ...

ⓐ $\frac{5}{6}$ ⓑ 1 ⓒ 36 ⓓ $\frac{12}{3}$



26 $7 \div \frac{1}{8} = 7 \times$ ....

ⓐ $\frac{1}{8}$ ⓑ $\frac{2}{4}$ ⓒ 8 ⓓ 4

27 The triangle whose measures of angles are 40°, 30° and ....is an obtuse angled triangle

ⓐ 110° ⓑ 90° ⓒ 40° ⓓ 50°

28 $\frac{3}{7} \div \frac{4}{7} =$ ....

ⓐ 1 ⓑ $\frac{1}{7}$ ⓒ $\frac{3}{4}$ ⓓ $\frac{12}{49}$

29 $2\frac{1}{4}$ year =................ Months.

ⓐ 24 ⓑ 6 ⓒ 30 ⓓ 27

30 $6\frac{3}{5} \times 3\frac{1}{3}$

ⓐ $\frac{33}{15}$ ⓑ $2\frac{3}{15}$ ⓒ $18\frac{3}{15}$ ⓓ 22

31 $\frac{2}{3} \times \frac{1}{2} =$.........

ⓐ $\frac{1}{3}$ ⓑ $\frac{3}{5}$ ⓒ $\frac{4}{5}$ ⓓ 1

32 $\frac{1}{4}$ of 12 = ...

ⓐ 2 ⓑ 5 ⓒ 6 ⓓ 3

33 $\frac{11}{2}$ is equivalent to ....

ⓐ $6\frac{1}{2}$ ⓑ $8\frac{1}{2}$ ⓒ $5\frac{1}{2}$ ⓓ $1\frac{3}{4}$

34 The number of thirds in one is ....

ⓐ 1 ⓑ 3 ⓒ 5 ⓓ $\frac{1}{3}$

35 $13 \div 5 =$...........

ⓐ $\frac{5}{13}$ ⓑ $1\frac{3}{5}$ ⓒ $2\frac{3}{5}$ ⓓ $5\frac{2}{3}$

36 The measure of straight angle is ....

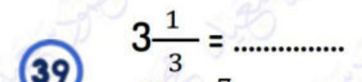
ⓐ 80° ⓑ 90° ⓒ 180° ⓓ 89°

37 The measure of acute angle .... the measure of obtuse angle

ⓐ = ⓑ > ⓒ < ⓓ Other wise

38 The .... Triangle has 3 different sides .

ⓐ Scalene ⓑ Equilateral ⓒ isosceles ⓓ Other wise



(39) $3\frac{1}{3}$ = ... (as improper fraction)

ⓐ $\frac{7}{3}$ ⓑ $\frac{3}{7}$ ⓒ $\frac{10}{3}$ ⓓ 10

(40) $\frac{5}{7} \times 4 = \frac{2}{7} \times$ ....

ⓐ 8 ⓑ 12 ⓒ 10 ⓓ 15

(41) $\frac{3}{5} \times \frac{5}{7}$ .... $\frac{3}{7}$

ⓐ > ⓑ < ⓒ = ⓓ otherwise

(42) The square has .... Axis of symmetry

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 4

Question 02 complete

1. $2\frac{1}{4} \times 2\frac{1}{9}$ = ...
2. $\frac{6}{8}$ is equivalent to ....
3. k $- 3\frac{1}{4} = \frac{2}{3}$ then k =...................................
4. $\frac{3}{4}$ of 8 = ...
5. The x – coordinate in point (6 , 5) = ...
6. $3\frac{1}{4} \times \frac{1}{2} = (3 +$ ....) $\times \frac{1}{2}$
7. $\frac{1}{3} \times$............ $= \frac{1}{9}$
8. The triangle has at least ....
9. The angle of measure less than 90° is .... angle
10. $4 \times \frac{1}{4}$= ....
11. $2 \times 3\frac{5}{8}$= .... (in simplest form)
12. $\frac{1}{3}$of 12 = ...
13. The polygon whish has 6 sides is called ....
14. In △ XYZ, m(∠ X) =130° , m(∠ Y) = m(∠ Z) =25°,then the triangle is .... angled triangle
15. If 4 ÷ a = 12 , then a =......................
16. The Pentagon has .... sides
17. The triangle with 3 equal sides is called .... triangle.

18. Area of rectangle =.................................... x width
19. $18 \div \frac{1}{2}$ = 18 x ....
20. If r x 45 =9 ,then the value of r =...................................
21. The angle of measure 120° is called .... Angle
22. The area of rectangle is 42 cm^2 and its length is 7 cm , the its width =..............cm
23. In the triangle ABC, AB=BC =7cm and AC = 4 cm then the triangle is ....
24. The polygon which has .... sides is called hexagon
25. It is impossible to draw a triangle with one .... Angles .
26. .... Triangle has 2 acute angles and 1 right angle .
27. .... Triangle has 3 acute angles and 0 obtuse angle .
28. .... Triangle has 3 different sides .
29. ....ذ..................... Triangle has 2 same sides and 1 different .
30. 24 ÷ 7 = ... + 3

Question 03 Answer the following questions

1. If Mazen buy a book $2\frac{1}{2}$ L.E find the price of 6 books ?.

....

2. Soha make a design of frame has dimensions 4 m , $5\frac{1}{2}$ m . find the area ?

....

3. Anas making project using quadrilateral of 4 sides are equal in length write its name

....

4. Sandy reads for $2\frac{1}{4}$ hours and runs for 20 minutes how many minutes did he study ??

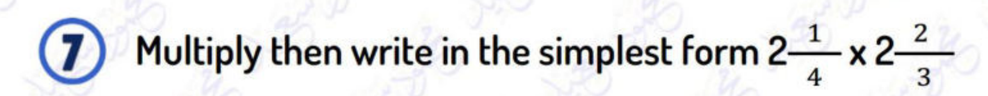
....

5. Hana ate $\frac{1}{6}$ of 24 candies . How many candies are left?

....

6. A mosque has a window that is $\frac{3}{10}$ meter wide and 2meter long what is the area of the window?

....



7. Multiply then write in the simplest form $2\frac{1}{4} \times 2\frac{2}{3}$

....

8. If the price of 16 pens is 28 L.E Find the price of each one.

....

9. If the price of a pen is $3\frac{1}{2}$ pounds find the price of 6 pens .

....

10. Aya feeds her cat $\frac{1}{8}$ of Kg , kilo grams of cat food each day.
How much cat food does she need to feed her cat for 3 days ?

....

11. Find the area the opposite shape :

$2\frac{2}{5}$ cm

$1\frac{1}{4}$ cm

....

12. Fatma bought $3\frac{1}{8}$ litres of water for $\frac{4}{5}$ L.E .
For each litre . How much money did Fatma pay ?

....

انتهت الأسئلة مع أطيب التمنيات بالنجاح والتوفيق

Answers



Math

primary 5 - second term





March Questions Bank

Question 01 choose the correct answer

1. $\frac{1}{9}$ .... $\frac{1}{9} \times 9$
   - a) >
   - b) <
   - c) ≤
   - d) =

2. $\frac{7}{14} + a = 1$, then a = ...
   - a) $\frac{8}{14}$
   - b) $\frac{5}{14}$
   - c) $\frac{1}{2}$
   - d) $\frac{5}{7}$

3. $\frac{5}{9} \times$..... = 1
   - a) $\frac{1}{9}$
   - b) $\frac{6}{5}$
   - c) $\frac{9}{9}$
   - d) $\frac{9}{5}$

4. $1\frac{1}{2} \times \frac{3}{8}$ = ...
   - a) $\frac{9}{8}$
   - b) $1\frac{3}{16}$
   - c) $\frac{9}{16}$
   - d) 1

5. $\frac{1}{5} \div 5$ = ...
   - a) 1
   - b) $\frac{1}{25}$
   - c) $\frac{1}{10}$
   - d) 2

6. $2\frac{1}{2}$ years = ... month
   - a) 30
   - b) 40
   - c) 32
   - d) 18

7. The number of fourths in 5 = ...
   - a) 5
   - b) 10
   - c) 15
   - d) 20

8. $\frac{3}{8}\ m \times \frac{1}{3}\ m$ = ...
   - a) $\frac{1}{8}\ m^2$
   - b) $\frac{1}{8}\ cm^2$
   - c) $1\ m^2$
   - d) $\frac{3}{24}\ m$

9. The triangle that measures of angles is 20 , 30 and .... is obtuse angled triangle .
   - a) 50
   - b) 90
   - c) 130
   - d) 20

10. The polygon hexagon which has .... sides
    - a) 4
    - b) 3
    - c) 6
    - d) 5

11. The rectangle that all sides are equal in length is ....
    - a) parallelogram
    - b) square
    - c) kite
    - d) trapezoid

12 The Area of rectangle of the length $\frac{2}{3}$ cm and width $\frac{2}{5}$ cm is ...... cm^2

(a) $\frac{3}{20}$ (b) $\frac{10}{6}$ (c) $\frac{4}{9}$ (d) $\frac{4}{15}$

13 $3\frac{2}{3} \times m = 1$, m = ...

(a) $\frac{11}{3}$ (b) $\frac{2}{3}$ (c) 1 (d) $\frac{3}{11}$

14 Area of rectangle = ...

(a) L × w (b) L + W (c) L ÷ W (d) (2 + w) × 2

15 The measure of the right angle is ....

(a) 80 (b) 30 (c) 90 (d) 100

16 $5 \div \frac{1}{5}$ = ...

(a) $\frac{1}{5}$ (b) 25 (c) 1 (d) $\frac{1}{25}$

17 If AB = 3 cm , BC= 4cm and AC= 6 cm, then the triangle ABC is ....Triangle

(a) isosceles (b) scalene (c) equilateral (d) otherwise

18 $\frac{17}{2}$ is equivalent to ....

(a) $1\frac{2}{7}$ (b) $5\frac{1}{2}$ (c) $6\frac{5}{2}$ (d) $8\frac{1}{2}$

19 $2\frac{1}{3} \times \frac{3}{7}$ = ...

(a) 8 (b) $\frac{4}{4}$ (c) $\frac{3}{7}$ (d) $\frac{7}{3}$

20 $5 \times \frac{3}{7}$ .... $7 \times \frac{3}{7}$

(a) $<$ (b) $>$ (c) = (d) ≤

21 The unit fraction is a fraction with a numerator = ...

(a) 3 (b) 1 (c) 2 (d) 9

22 The number of fifths in 3 is ....

(a) 5 (b) 10 (c) 15 (d) $\frac{5}{3}$

23 In any triangle , there are ....acute angles at least

(a) 1 (b) 3 (c) 2 (d) 0

24 The simplest form of $\frac{24}{18}$ is $\frac{a}{3}$ then a =............

(a) 4 (b) 2 (c) 6 (d) 8

25 $\frac{2}{6} \times 3$ = ...

(a) $\frac{5}{6}$ (b) 1 (c) 36 (d) $\frac{12}{3}$

26 $7 \div \frac{1}{8} = 7 \times$ ....

ⓐ $\frac{1}{8}$ ⓑ $\frac{2}{4}$ ⓒ 8 ⓓ 4

27 The triangle whose measures of angles are 40°, 30° and ....is an obtuse angled triangle

ⓐ 110° ⓑ 90° ⓒ 40° ⓓ 50°

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ⓐ 1 ⓑ $\frac{1}{7}$ ⓒ $\frac{3}{4}$ ⓓ $\frac{12}{49}$

29 $2\frac{1}{4}$ year =............... Months.

ⓐ 24 ⓑ 6 ⓒ 30 ⓓ 27

30 $6\frac{3}{5} \times 3\frac{1}{3}$

ⓐ $\frac{33}{15}$ ⓑ $2\frac{3}{15}$ ⓒ $18\frac{3}{15}$ ⓓ 22

31 $\frac{2}{3} \times \frac{1}{2} =$.........

ⓐ $\frac{1}{3}$ ⓑ $\frac{3}{5}$ ⓒ $\frac{4}{5}$ ⓓ 1

32 $\frac{1}{4}$ of 12 = ...

ⓐ 2 ⓑ 5 ⓒ 6 ⓓ 3

33 $\frac{11}{2}$ is equivalent to ....

ⓐ $6\frac{1}{2}$ ⓑ $8\frac{1}{2}$ ⓒ $5\frac{1}{2}$ ⓓ $1\frac{3}{4}$

34 The number of thirds in one is ....

ⓐ 1 ⓑ 3 ⓒ 5 ⓓ $\frac{1}{3}$

35 $13 \div 5 =$...........

ⓐ $\frac{5}{13}$ ⓑ $1\frac{3}{5}$ ⓒ $2\frac{3}{5}$ ⓓ $5\frac{2}{3}$

36 The measure of straight angle is ....

ⓐ 80° ⓑ 90° ⓒ 180° ⓓ 89°

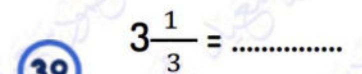
37 The measure of acute angle .... the measure of obtuse angle

ⓐ = ⓑ > ⓒ < ⓓ Other wise

38 The .... Triangle has 3 different sides .

ⓐ Scalene ⓑ Equilateral ⓒ isosceles ⓓ Other wise





(39) $3\frac{1}{3}$ = ... (as improper fraction)
ⓐ $\frac{7}{3}$ ⓑ $\frac{3}{7}$ ⓒ $\frac{10}{3}$ ⓓ 10

(40) $\frac{5}{7} \times 4 = \frac{2}{7} \times$ ....
ⓐ 8 ⓑ 12 ⓒ 10 ⓓ 15

(41) $\frac{3}{5} \times \frac{5}{7}$ .... $\frac{3}{7}$
ⓐ > ⓑ < ⓒ = ⓓ otherwise

(42) The square has .... Axis of symmetry
ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 4

Question 02 complete

1. $2\frac{1}{4} \times 2\frac{1}{9}$ = ...$\frac{19}{4}$ = ...$4\frac{3}{4}$......
2. $\frac{6}{8}$ is equivalent to ....$\frac{3}{4}$......
3. k − $3\frac{1}{4} = \frac{2}{3}$ then k =...$3\frac{11}{12}$........
4. $\frac{3}{4}$ of 8 = ...6.......
5. The x – coordinate in point (6 , 5) = ...6........
6. $3\frac{1}{4} \times \frac{1}{2}$ = (3 + ...$\frac{1}{4}$...) × $\frac{1}{2}$
7. $\frac{1}{3} \times$...$\frac{1}{3}$..... = $\frac{1}{9}$
8. The triangle has at least ......2 acute angles......
9. The angle of measure less than 90° is ...acute..... angle
10. 4 × $\frac{1}{4}$= 1.
11. 2 × $3\frac{5}{8}$= $7\frac{1}{4}$ (in simplest form)
12. $\frac{1}{3}$of 12 = ...4.......
13. The polygon whish has 6 sides is called ....hexagon......
14. In △ XYZ, m(∠ X) =130° , m(∠ Y) = m(∠ Z) =25°,then the triangle is obtuse...... angled triangle
15. If 4 ÷ a = 12 , then a = $\frac{1}{3}$...
16. The Pentagon has ......5..... sides
17. The triangle with 3 equal sides is called ...equilateral......... triangle.

18. Area of rectangle =......Length....... x width
19. $18 \div \frac{1}{2}$ = 18 x ......2....
20. If r x 45 =9 ,then the value of r =......$\frac{1}{5}$.......
21. The angle of measure 120° is called ...obtuse.... Angle
22. The area of rectangle is 42 cm^2 and its length is 7 cm , the its width =...6...cm
23. In the triangle ABC, AB=BC =7cm and AC = 4 cm then the triangle is ...isosceles.....
24. The polygon which has ......6... sides is called hexagon
25. It is impossible to draw a triangle with one .....acute.......... Angles .
26. .... right............ Triangle has 2 acute angles and 1 right angle .
27. .... acute............. Triangle has 3 acute angles and 0 obtuse angle .
28. .... scalene........... Triangle has 3 different sides .
29. .... isosceles.......... Triangle has 2 same sides and 1 different .
30. $24 \div 7$ = ...$\frac{3}{7}$....... + 3

Question 03 — Answer the following questions

1. If Mazen buy a book $2\frac{1}{2}$ L.E find the price of 6 books ?.

   $\frac{5}{2} \times 6 = 15$ L.E

2. Soha make a design of frame has dimensions 4 m , $5\frac{1}{2}$ m . find the area ?

   $A = 4 \times 5\frac{1}{2} = \frac{44}{2} = 22\ m^2$

3. Anas making project using quadrilateral of 4 sides are equal in length write its name

   Square or Rhombus

4. Sandy reads for $2\frac{1}{4}$ hours and runs for 20 minutes how many minutes did he study ??

   135 + 20 = 155 min

5. Hana ate $\frac{1}{6}$ of 24 candies . How many candies are left?

   Hana ate = $\frac{1}{6}$...x 24 = 4 candies

   Left candies= 24 – 4 = 20 candies

6. A mosque has a window that is $\frac{3}{10}$ meter wide and 2meter long what is the area of the window?

   $A = L \times W = \frac{3}{10} \times 2 = \frac{3}{5}\ m^2$

7. Multiply then write in the simplest form $2\frac{1}{4} \times 2\frac{2}{3}$

$\frac{9}{4} \times \frac{8}{3} = 6$

8. If the price of 16 pens is 28 L.E Find the price of each one.

$28 \div 16 = \frac{7}{4} = 1\frac{3}{4}$ L.E

9. If the price of a pen is $3\frac{1}{2}$ pounds find the price of 6 pens .

The price = $3\frac{2}{3} \times 6 = 22$ pounds

10. Aya feeds her cat $\frac{1}{8}$ of Kg , every day.

How much cat food does she need to feed her cat for 3 days ?

The food = $\frac{1}{8} \times 3 = \frac{3}{8}$ Kg

11. Find the area the opposite shape :

$2\frac{2}{5}$ cm

$1\frac{1}{4}$ cm

The area = $2\frac{2}{5} \times 1\frac{1}{4} = 3\ cm^2$

12. Fatma bought $3\frac{1}{8}$ litres of water for $\frac{4}{5}$ L.E .

For each litre . How much money did Fatma pay ?

The money = $3\frac{1}{8} \times \frac{4}{5} = 2\frac{1}{2}$ L.E

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1. Choose the correct answer:

1) $\frac{2}{6} \times 3 =$ ....

a. $\frac{5}{6}$ b. 1 c. 36 d. $\frac{12}{3}$

2) $5 \times \frac{3}{7}$ .... $4\frac{3}{7}$

a. > b. < c. = d. Otherwise

3) $7 \times \frac{3}{7}$ .... $\frac{3}{7} \times 3$

a. > b. < c. = d. Otherwise

4) $\frac{3}{5} \times 15 =$ ....

a. 2 b. 6 c. 9 d. 7

5) $\frac{17}{2}$ is equivalent to ....

a. $8\frac{1}{2}$ b. $6\frac{1}{2}$ c. $5\frac{1}{2}$ d. $1\frac{2}{7}$

6) $3\frac{1}{3} =$ .... (as improper fraction)

a. $\frac{7}{3}$ b. $\frac{10}{3}$ c. $\frac{3}{7}$ d. 10

7) $\frac{1}{3}$ of 12 = ...

a. 4 b. 3 c. 12 d. 8

8) The number of thirds in one is ....

a. 1 b. 2 c. 3 d. $\frac{1}{3}$

9) $3\frac{2}{5} \times 5 =$ ....

a. $\frac{17}{5}$ b. 5 c. 17 d. $3\frac{10}{5}$

10) $\frac{5}{7} \times 4 = \frac{2}{7} \times$ ....

a. 8 b. 12 c. 10 d. 15

11) $\frac{2}{3} \times \frac{1}{2} =$ ....

a. $\frac{1}{3}$ b. $\frac{3}{5}$ c. $\frac{1}{2}$ d. 1

12) $\frac{3}{5} \times \frac{5}{7}$ …….. $\frac{3}{7}$

a. > b. < c. = d. Otherwise

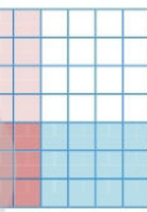
13) $2 \times \frac{\dots}{7} = \frac{6}{7}$

a. 2 b. 4 c. 3 d. 1

14) …… $\times \frac{3}{7} = \frac{2}{7}$

a. $\frac{2}{3}$ b. $\frac{3}{2}$ c. $\frac{1}{7}$ d. $\frac{5}{7}$

15) Study the multiplication area model and fill the missing fraction $\frac{2}{6} \times$ …….



a. $\frac{3}{6}$ b. 3 c. $\frac{3}{7}$ d. $\frac{6}{7}$

16) If $\frac{3}{7} \times b = \frac{3}{7} + \frac{3}{7}$, then b = …….

a. 1 b. 2 c. 3 d. 7

17) $2\frac{1}{3} \times \frac{3}{7} =$ ……..

a. 1 b. $\frac{3}{7}$ c. $2\frac{1}{7}$ d. $\frac{7}{3}$

18) $2\frac{1}{5} \times \frac{3}{4} = (2 \times \frac{3}{4}) + ($ …….. $\times \frac{3}{4})$

a. 2 b. $\frac{33}{20}$ c. $\frac{7}{5}$ d. $\frac{1}{5}$

19) $13 \div 5 =$ ……..

a. $\frac{5}{13}$ b. $1\frac{3}{5}$ c. $2\frac{3}{5}$ d. $5\frac{2}{3}$

20) If $15 \div 7 = 2\frac{a}{7}$, then a = ……..

a. 1 b. 2 c. 7 d. 15

21) If $\frac{1}{3} \times a = 1\frac{1}{3}$, then a = …….

a. 1 b. 2 c. 3 d. 4

22) $7 \div \frac{1}{8} = 7 \times$ ....

a. $\frac{1}{8}$ b. $\frac{2}{4}$ c. 4 d. 8

23) $\frac{1}{4} \div 4 =$ ....

a. $\frac{4}{4}$ b. $\frac{5}{4}$ c. $\frac{1}{16}$ d. 16

24) $8 \div a = 40$, then a = ...

a. 5 b. $\frac{1}{5}$ c. $\frac{9}{40}$ d. 40

25) $3 \times \frac{1}{5}$ ...... $3 \div \frac{1}{5}$

a. > b. < c. = d. Otherwise

26) If $k \div 5 = \frac{1}{15}$, then k = ...

a. $1\frac{1}{2}$ b. 3 c. $\frac{4}{15}$ d. $\frac{1}{3}$

27) The angle of measure 100° is .... angle.

a. Acute b. Right c. Obtuse d. Straight

28) The measure of the obtuse angle .... 90°

a. = b. > c. < d. Otherwise

29) The measure of acute angle .... the measure of obtuse angle

a. = b. > c. < d. Otherwise

30) The polygon which has 4-sides is called ....

a. Triangle b. Hexagon c. Pentagon d. quadrilateral

31) The square has .... Axes of symmetry.

a. 1 b. 2 c. 3 d. 4

32) The measure of right angle is .... °

a. 90 b. 80 c. 180 d. 89

33) .... -angled triangle has 3 acute angles.

a. Right b. Acute c. Obtuse d. Otherwise

34) The .... Triangle has 3 different sides.

a. Scalene b. Equilateral c. Isosceles d. Otherwise

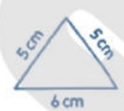
35) 50°, 60° and 70° are the measures of the angles of .... triangle

a. Obtuse angled b. Right angled
c. Acute angled d. Otherwise

36) The triangle whose side's lengths are .... is an equilateral triangle.

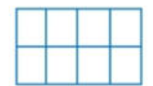
a. 3 cm, 4 cm, 4 cm b. 9 cm, 9 cm, 9 cm
c. 6 cm, 5 cm, 5 cm d. 3 cm, 4 cm, 5 cm

37) The opposite triangle is ....



a. Obtuse b. Equilateral c. Isosceles d. Scalene

38) The area of the opposite rectangle = ... Square units



a. 18 b. 15 c. 8 d. 12

39) The area of rectangle of length $\frac{2}{3}$ cm and width $\frac{2}{5}$ cm is .... cm^2

a. $\frac{3}{20}$ b. $\frac{4}{20}$ c. $\frac{4}{9}$ d. $\frac{4}{15}$

40) Area of rectangle = ...

a. L + w b. L × w c. L ÷ w d. (L + w) × 2

2. Complete:

1) $5 \times \frac{1}{8}$ = ...

2) $12 \times \frac{1}{12}$ = ...

3) $3 \times \frac{2}{5}$ = ...

4) $\frac{2}{3}$ of 9 = ...

5) $2 \times 3\frac{5}{8}$ = ... (in the simplest form)

6) $2\frac{1}{5} \times 2$ = ...

7) $\frac{5}{6} \times 2 = \frac{5}{6}$ + ...

8) $\frac{4}{11}$ × .... = $\frac{4}{11} + \frac{4}{11} + \frac{4}{11} + \frac{4}{11}$

9) If $2\frac{1}{7} = \frac{x}{7}$, then x = ...

10) If $2\frac{1}{4} \times 8 = (\frac{1}{4} \times b) + (2 \times 8)$, then b = ...

11) $2\frac{3}{4} \times 5 = (5 \times \frac{3}{4})$ + (5 × ....)

12) If $\frac{1}{3} \times a = 2$, then a = ...

13) $\frac{3}{5} \times \frac{5}{7}$ = ... (in the simplest form)

14) $\frac{2}{3} \times \frac{3}{8} \times \frac{8}{9}$ = ... (in the simplest form)

15) $0.5 \times \frac{4}{11}$ = ...

16) $\frac{1}{3}$ × .... = $\frac{1}{9}$

17) $\frac{3}{5}$ × .... = 1

18) $\frac{5}{7} \times \frac{2}{2}$ = ...

19) $\frac{3}{5} \times \frac{\dots}{4} = \frac{3}{5}$

20) $\frac{5}{6} \times \frac{\dots}{\dots} = \frac{10}{18}$

21) If $\frac{1}{2} \times b = \frac{5}{6}$, then b = ...

22) $2\frac{1}{4} \times 2\frac{2}{3}$ = ...

23) $1\frac{3}{7}$ × .... = 1

24) $3\frac{1}{2} \times \frac{1}{3}$ = ...

25) $3\frac{1}{4} \times \frac{1}{2}$ = (3 + ...) × $\frac{1}{2}$

26) .... × $\frac{5}{6} = (4 \times \frac{5}{6}) + (\frac{3}{8} \times \frac{5}{6})$

27) 17 ÷ 5 = ... (as mixed number)

28) 34 ÷ 5 = 6 + ...

29) If m × 5 = 6 , then m = ...

30) If r × 45 = 9 , then the value of r = ...

31) $\frac{1}{7} \div 2 =$ ....

32) $18 \div \frac{1}{2} = 18 \times$ ....

33) If $\frac{1}{3} \div a = \frac{1}{12}$, then a = ...

34) The number of thirds are there in 7 is ....

35) $\frac{2}{11} \times$ .... $= \frac{3}{11}$

36) The polygon which has .... sides is called hexagon.

37) The angle of measure 120° is called .... angle.

38) If the triangle is an equilateral triangle , then the three sides are ....

39) In the equilateral triangle LMN , LM = MN = 8 cm, then LN = ... cm

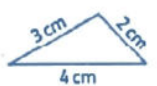
40) The triangle with 3 equal sides is called .... triangle

41) In the triangle ABC, AB = BC = 7 cm and AC = 4 cm, then the triangle is ....

42) Any triangle has at least .... acute angles.

43) In △ ABC, AB = 7 cm, AC = 4 cm and BC = 5 cm, then the triangle is .... triangle. (according to its sides)

44) The opposite triangle is called .... triangle.



45) In △ ABC, if m (∠A) = 50° , m (∠B) = 20° and m (∠C) = 110° , then the triangle is .... -angled triangle

46) The opposite triangle is ....-angled triangle



47) Area of rectangle = ... × width

48) The area of rectangle of dimensions 2 m and $2\frac{1}{2}$ m = ... m^2

49) If the area of rectangle is 42 cm^2 and its length is 7 cm, then its width = ... cm

50) The area of rectangle of dimensions $\frac{1}{7}$ m and $\frac{1}{5}$ m is .... m^2

3. Answer the following:

1) Fatma feeds her cat $\frac{1}{8}$ of kilograms of cat food each day.
How much cat food does she need to feed her cat for 3 days?

....

2) A teacher wants to give $\frac{1}{8}$ of a box pencils to each student. He has 5 boxes of pencils. **How many students will he be able to give pencils?**

....

3) If the price of a pen is $2\frac{1}{2}$ pounds. **Find the price of 6 pens.**

....

4) Maya ate $\frac{1}{4}$ of 24 candies. **How many candies are left?**

....

5) Dareen bought $3\frac{1}{8}$ liters of water for $\frac{4}{5}$ L.E for each liter.

How much money did Dareen pay?

....

6) Moustafa is harvesting sugarcane. He can harvest $3\frac{3}{4}$ kilograms of sugarcane in one hour. If he plans to work for $2\frac{1}{2}$ hours.
How much sugarcane will he harvest?

....

7) Adel has 5 pieces of candy; he wants to divide them among the number of friends. If each of them has a share $\frac{1}{2}$ piece.
How many friends does he have?

....

8) A mosque has a window that is $\frac{3}{10}$ meter wide and 2 meter long.
What is the area of the window in square meter?

....

9) Find the area of the opposite shape:

3cm
5cm

....

Prim 5 – Answer Guide — March

1. Choose:

1) b	11) a	21) d	31) d
2) b	12) c	22) d	32) a
3) a	13) c	23) c	33) b
4) c	14) a	24) b	34) a
5) a	15) c	25) b	35) c
6) b	16) b	26) d	36) b
7) a	17) a	27) c	37) c
8) c	18) d	28) b	38) c
9) c	19) c	29) c	39) d
10) c	20) a	30) d	40) b

2. Complete:

1) $\frac{5}{8}$	11) 2	21) $\frac{10}{6}$	31) $\frac{1}{14}$	41) isosceles
2) 1	12) 6	22) 6	32) 2	42) 2
3) $\frac{6}{5}$	13) $\frac{3}{7}$	23) $\frac{7}{10}$	33) 4	43) scalene
4) 6	14) $\frac{2}{9}$	24) $\frac{7}{6}$	34) 21	44) scalene
5) $7\frac{1}{4}$	15) $\frac{2}{11}$	25) $\frac{1}{4}$	35) $\frac{3}{2}$	45) obtuse
6) $4\frac{2}{5}$	16) $\frac{3}{9}$	26) $4\frac{3}{8}$	36) 6	46) right
7) $\frac{5}{6}$	17) $\frac{5}{3}$	27) $3\frac{2}{5}$	37) obtuse	47) length
8) 4	18) $\frac{5}{7}$	28) $\frac{4}{5}$	38) equal in length	48) 5
9) 15	19) 4	29) $\frac{6}{5}$	39) 8 cm	49) 6
10) 8	20) $\frac{2}{3}$	30) $\frac{1}{5}$	40) equilateral	50) $\frac{1}{35}$

3. Essay:

1) The food = $\frac{1}{8} \times 3 = \frac{3}{8}$ kg

2) Number of students = $5 \div \frac{1}{8} = 40$ students

3) The price = $2\frac{1}{2} \times 6 = 15$ pounds

4) The candies she ate = $\frac{1}{4} \times 24 = 6$ candies
   The left candies = $24 - 6 = 18$ candies

5) The money = $3\frac{1}{8} \times \frac{4}{5} = 2\frac{1}{2}$ L.E

6) The sugarcane = $3\frac{3}{4} \times 2\frac{1}{2} = 9\frac{3}{8}$ kg

7) Number of friends = $5 \div \frac{1}{2} = 10$ friends

8) The area = $\frac{3}{10} \times 2 = \frac{6}{10}$ m^2

9) The area = $3 \times 5 = 15$ cm^2

Unit 9

Choose the correct answer

1. $\frac{3}{7} \times 8 =$ ______

A. $\frac{8}{3} \times 7$ B. $\frac{6}{7} \times 4$ C. $\frac{5}{7} \times 6$ D. $\frac{24}{8} \times 7$

٢. $2\frac{1}{3} \times \frac{3}{7} =$ ______

A. $\frac{4}{4}$ B. $\frac{3}{7}$ C. $2\frac{1}{7}$ D. $\frac{7}{3}$

٣. $1\frac{1}{3} \times 1\frac{1}{4} =$ ______

A. $1\frac{2}{3}$ B. $2\frac{1}{7}$ C. $2\frac{1}{12}$ D. $1\frac{1}{12}$

٤. $2\frac{2}{3} \times \frac{3}{5} =$ ______

A. $\frac{5}{8}$ B. $1\frac{3}{5}$ C. $1\frac{8}{15}$ D. $2\frac{6}{15}$

٥. $6 \times 2\frac{5}{8} =$ ______

A. $15\frac{3}{4}$ B. $12\frac{5}{8}$ C. $14\frac{3}{8}$ D. $15\frac{3}{8}$

٦. $\frac{2}{3} \times \frac{3}{8} \times \frac{8}{9} =$ ______

A. $\frac{1}{3}$ B. $\frac{2}{9}$ C. $\frac{13}{20}$ D. $\frac{2}{17}$

٧. $\frac{5}{3} \times 21 \times \frac{2}{7} =$ ______

A. $\frac{24}{35}$ B. $\frac{21}{21}$ C. 1 D. 10

٨. $2\frac{3}{4} \times$ ______ $= 1$

A. $\frac{4}{11}$ B. $\frac{11}{4}$ C. 4 D. $\frac{4}{3}$

Unit 9

Choose the correct answer

٩ $\frac{4}{11} \times 0.5 =$ ______

A. $\frac{2}{11}$ B. $\frac{20}{11}$ C. $\frac{4}{5}$ D. $\frac{55}{4}$

10 $0.25 \times \frac{6}{7} =$ ______

A. $\frac{1}{14}$ B. $\frac{1}{7}$ C. $\frac{3}{14}$ D. $\frac{2}{7}$

11 $\frac{1}{5} \div 4 =$ ______

A. $\frac{4}{5}$ B. $\frac{5}{4}$ C. 20 D. $\frac{1}{20}$

12 $15 \div \frac{1}{2} =$ ______

A. $\frac{15}{2}$ B. $7\frac{1}{2}$ C. 30 D. $\frac{2}{15}$

13 $13 \div 7$ equals each of the following except ______

A. $1 + \frac{6}{7}$ B. $1\frac{6}{7}$ C. $\frac{26}{14}$ D. $1 \times \frac{6}{7}$

14 All the following expressions are equal except ______

A. $37 \div 5$ B. $7\frac{2}{5}$ C. $5\frac{2}{7}$ D. $6\frac{7}{5}$

15 $6\frac{1}{2} =$ ______ $\div 2$

A. 6 B. 11 C. 9 D. 13

16 $15 \div 4 =$ ______ $+ 3$

A. 12 B. 3 C. $\frac{4}{3}$ D. $\frac{3}{4}$

Unit 9

Choose the correct answer

17. $16 \div 7 = 2\frac{2}{___}$

A. 7 B. 14 C. 16 D. 4

18. $\frac{1}{4}$ year = ________ months.

A. 3 B. 4 C. 6 D. 12

19. 140 minutes = ________ hours

A. $1\frac{1}{2}$ B. 2 C. $2\frac{1}{3}$ D. $2\frac{1}{2}$

20. The number of fifths in 4 is ________

A. 9 B. 1 C. 20 D. $\frac{5}{4}$

21. If $\frac{4}{7} \times 14 = a \times 4$, then a = ________

A. 3 B. 7 C. 14 D. 2

22. If $5 \div \frac{1}{4} = a \times 4$, then a = ________

A. 4 B. $\frac{1}{4}$ C. 5 D. $\frac{1}{5}$

23. If $13 \div 4 = a$, then a = ________

A. $4\frac{1}{4}$ B. $3\frac{1}{4}$ C. $4\frac{1}{3}$ D. $4 \div 13$

24. If $5 \div \frac{1}{3} = x$, then x = ________

A. 15 B. $\frac{5}{3}$ C. $\frac{3}{5}$ D. 8

Unit 9

Choose the correct answer

25. If $\frac{1}{2} \div 3 = X$, then $X =$ ______

A. $1\frac{1}{2}$ B. $\frac{1}{6}$ C. 6 D. $\frac{2}{3}$

26. If $5\frac{1}{3} = X \div 3$, then $X =$ ______

A. 5 B. 51 C. 16 D. 15

27. If $17 \div 8 = a\frac{1}{8}$, then $a =$ ______

A. 2 B. 8 C. 17 D. 1

28. If $12 \div 7 = 1\frac{a}{7}$, then $a =$ ______

A. 2 B. 7 C. 5 D. 12

29. If $6 \div h = 30$, then $h =$ ______

A. $\frac{1}{5}$ B. 180 C. 5 D. 90

30. If $\frac{1}{3} \div a = \frac{1}{6}$, then $a =$ ______

A. 3 B. $\frac{1}{2}$ C. 2 D. $\frac{1}{3}$

31. $\frac{1}{7} \times m = \frac{1}{21}$, then $m =$ ______

A. $\frac{1}{7}$ B. $\frac{1}{21}$ C. $\frac{1}{3}$ D. $\frac{1}{147}$

32. If $\frac{1}{3} \times a = 1\frac{1}{3}$, then $a =$ ______

A. 1 B. 2 C. 3 D. 4

Unit 9

Choose the correct answer

33. If $a \times \frac{3}{17} = \frac{2}{17}$, then a = ______

A. $\frac{2}{3}$ B. $\frac{3}{2}$ C. $\frac{1}{17}$ D. $\frac{5}{17}$

34. If $\frac{7}{8} \times 12 = \frac{14}{8} \times x$, then x = ______

A. 7 B. 12 C. 8 D. 6

35. If $\frac{3}{7} + \frac{6}{7} + \frac{6}{7} + \frac{6}{7} = b \times \frac{6}{7}$, then b = ______

A. $\frac{6}{7}$ B. $\frac{3}{7}$ C. $3\frac{1}{2}$ D. $2\frac{1}{2}$

36. If $\frac{4}{5} \times b = \frac{4}{5} + \frac{2}{5} + \frac{4}{5}$, then b = ______

A. $\frac{4}{5}$ B. $\frac{1}{2}$ C. $1\frac{1}{2}$ D. $2\frac{1}{2}$

37. If $\frac{8}{9} \times b = \frac{8}{9} + \frac{4}{9}$, then b = ______

A. $\frac{8}{9}$ B. $\frac{4}{9}$ C. $\frac{1}{2}$ D. $1\frac{1}{2}$

38. $1\frac{1}{2} \times 1\frac{1}{2}$ ◯ $2\frac{1}{4}$

A. > B. < C. =

39. $3 \times \frac{1}{3}$ ◯ $3 \div \frac{1}{3}$

A. > B. < C. =

40. $\frac{1}{3} \div 3$ ☐ $\frac{1}{3} - \frac{2}{9}$

A. < B. = C. >



Choose the correct answer

41) 

$\frac{1}{6} \div 3 \bigcirc \frac{1}{6} - \frac{1}{9}$

A. $>$ B. $<$ C. $=$

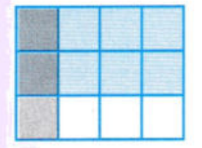
42) $5 \times 2\frac{1}{2} = (5 \times 2) + (5 \times$ ——— $)$

A. 2 B. $\frac{1}{2}$ C. 5 D. 1

43) The opposite shaded area model represents ———

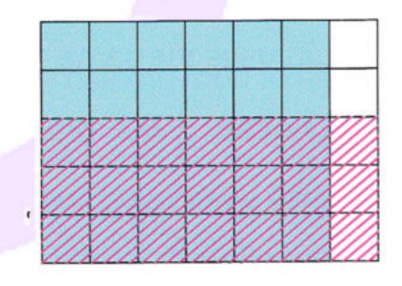
A. 2×1 B. $1\frac{1}{2} \times 2$ C. $\frac{1}{2} \times 2$ D. $2\frac{1}{2} \times 2$

44) The opposite area model represents ———.



A. $\frac{2}{3} \times \frac{1}{4}$ B. $\frac{1}{2} \times \frac{3}{4}$ C. $\frac{9}{12}$ D. $\frac{3}{12}$

45) The opposite model represents ———



A. $\frac{2}{5} \times \frac{7}{6}$ B. $\frac{2}{7} \times \frac{5}{6}$

C. $\frac{2}{5} \times \frac{3}{7}$ D. $\frac{3}{5} \times \frac{6}{7}$

46) The opposite area model represents ———

A. $\frac{1}{2} \div \frac{1}{6}$ B. $\frac{1}{2} \div 3$

C. $\frac{1}{6} \div \frac{1}{2}$ D. $\frac{1}{2} \times \frac{1}{6}$

Unit 9

Complete the following

1. $\frac{3}{__} \times \frac{5}{8} = \frac{15}{56}$

2. The product of $\frac{4}{5}$ and $\frac{3}{3}$ is ....

3. $\frac{10}{3} \times \frac{3}{10} =$ ....

4. $4 \times \frac{1}{4} =$ ....

5. $\frac{1}{2} \times \frac{3}{5} =$ ....

6. $1\frac{3}{7} \times$ .... $= 1$

7. $\frac{2}{5} \times 2\frac{1}{2} =$ ....

8. $\frac{3}{5} \times 1.5 =$ ....

9. $2\frac{1}{2} \times 4\frac{2}{5} =$ ....

10. $2\frac{3}{4} \times 1\frac{1}{3} =$ ....

11. $1\frac{1}{2} \times 2\frac{1}{4} =$ ....

12. $3\frac{3}{4} \times 1\frac{1}{3} =$ ....

13. $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \frac{4}{5} \times \frac{5}{6} \times \frac{6}{7} =$ ....

14. $0.25 \times \frac{8}{9} =$ ....

15. $\frac{4}{7} \times 6 = \frac{8}{7} \times$ ....

16. $\frac{12}{13} \times 8 = \frac{24}{13} \times$ ....

17. $\frac{1}{7} \div 4 =$ ....

18. $3 \div \frac{1}{8} =$ ....

19. $5\frac{2}{3} =$ .... $\div 3$

20. $\frac{3}{4} - \frac{5}{8} =$ .... $\div 4$

21. $13 \div 5 =$ .... $+ 2$

22. $25 \div 6 = 2\frac{1}{2} \times 1\frac{__}{3}$

23. If $\frac{10}{11} \times 1\frac{1}{2} = \frac{10}{11} + \frac{b}{11}$, then $b =$ ....

Complete the following

24) $\frac{3}{8} \times$ ____________ $= \frac{3}{7}$

25) If $\frac{1}{2} \times b = \frac{5}{6}$, then b = ____________

26) If $\frac{4}{5} \times b = \frac{4}{5} + \frac{2}{5}$, then b = ____________

27) If $12 \div 8 = 1\frac{1}{x}$, then x = ____________

28) If $9 \div K = 126$, then K = ____________

29) If $\frac{1}{3} \div m = \frac{1}{12}$, then m = ____________

30) The opposite figure represents ____________ ÷ ____________

$\frac{1}{2}$			$\frac{1}{2}$		
$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

31) The opposite area model represents ____________ × ____________

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

Answer the following

1. **Use the area models to evaluate**

   $\frac{1}{3} \times \frac{1}{4}$

2. Write two different multiplication expressions that have the same product as $\frac{12}{13} \times 16$

3. How many sevenths are in the number 5 ?

4. How many $\frac{1}{4}$ cup are there in 7 cups of chocolate ?

5. The price of 9 notebooks is 55 L.E. **Find the price of each notebook.**

6. The price of each pen is $2\frac{1}{2}$ L.E. **Find the price of 6 pens.**

7. There are 8 bags of fava beans , each bag has a mass of $\frac{3}{4}$ of a kilogram. What is the total mass of the fava beans ?

8. Adel has 5 pieces of candy , he wants to divided them among the number of his friends. If each of them has a share $\frac{1}{2}$ piece , how many friends do he have ?

9. Yasser has 30 feddans of agriculture land , he planting $\frac{5}{6}$ of the land . What is the number of feddans planting ?

10. Petra lives $\frac{3}{4}$ km. from school. Paula lives $1\frac{1}{3}$ times as far away from school as Petra.

    How far from school does Paula live ?

11. Youssef's dad said he will give him $7\frac{1}{2}$ L.E if he works one hour.

    How much will he give him for 3 hours and 15 minutes ?

The Answers

Choose the correct answer:

1. B	2. A	3. A	4. B
5. A	6. B	7. D	8. A
9. A	10. C	11. D	12. C
13. D	14. C	15. D	16. D
17. A	18. A	19. C	20. C
21. D	22. C	23. B	24. A
25. B	26. C	27. A	28. C
29. A	30. C	31. C	32. D
33. A	34. D	35. C	36. D
37. D	38. C	39. B	40. B
41. C	42. B	43. B	44. A
45. D	46. B		

Complete the following:

1) 7	2) $\frac{4}{5}$	3) 1	4) 1
5) $\frac{3}{10}$	6) $\frac{7}{10}$	7) 1	8) $\frac{9}{10}$
9) 11	10) $3\frac{2}{3}$	11) $3\frac{3}{8}$	12) 5
13) $\frac{1}{7}$	14) $\frac{2}{9}$	15) 3	16) 4
17) $\frac{1}{28}$	18) 24	19) 17	20) $\frac{1}{2}$

The Answers

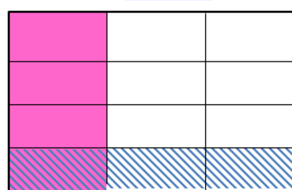
21) $\frac{3}{5}$ 22) 2 23) 5 24) $\frac{8}{7}$

25) $1\frac{2}{3}$ 26) $1\frac{1}{2}$ 27) 2 28) $\frac{1}{14}$

29) 4 30) $\frac{1}{2} \div 3$ 31) $3 \times \frac{4}{5}$

Answer the following:

1) $\frac{1}{12}$



2) $\frac{24}{13} \times 8$ and $\frac{6}{13} \times 32$

3) $5 \div \frac{1}{7} = 35$

4) $7 \div \frac{1}{4} = 28$

5) $55 \div 9 = 6\frac{1}{9}$ L.E.

6) $2\frac{1}{2} \times 6 = 15$ L.E.

7) $8 \times \frac{3}{4} = 6$ kg

8) $5 \div \frac{1}{2} = 10$ friends

9) $30 \times \frac{5}{6} = 25$ feddans

10) $\frac{3}{4} \times 1\frac{1}{3} = 1$ km

11) $7\frac{1}{2} \times 3\frac{1}{4} = \frac{195}{8} = 24\frac{3}{8}$ L.E.

Choose the correct answer

1. The figure ←——→ is called ______.

A. line segment B. ray C. straight line D. angle

2. The figure ——→ is called ______.

A. line segment B. ray C. straight line D. angle

3. The ______ has 3 sides.

A. triangle B. quadrilateral C. pentagon D. hexagon

4. The pentagon has ______ sides.

A. 3 B. 4 C. 6 D. 5

5. The polygon which has four sides is called a ______

A. triangle. B. hexagon. C. pentagon. D. quadrilateral.

6. The hexagon has ______ sides.

A. 3 B. 4 C. 6 D. 5

7. The measure of the right angle is ______ °

A. 90 B. 80 C. 89 D. 180

8. The measure of an obtuse angle ______ 90°

A. = B. > C. < D. otherwise

9. The angle of measure less than 90° is ______ angle.

A. an acute B. a right C. an obtuse D. a straight

10. The measure of an obtuse angle ______ the measure of a right angle.

A. < B. = C. > D. ≤

11. The measure of a right angle ______ the measure of an acute angle.

A. < B. = C. > D. ≤

Choose the correct answer

12. The ______ has only one pair of parallel sides.
A. square B. trapezium C. rhombus D. rectangle

13. A quadrilateral which has four right angles is called ______
A. parallelogram. B. rhombus. C. rectangle. D. trapezium.

14. The ______ has 4 right angles.
A. parallelogram B. trapezium C. kite D. square

15. The ______ has 4 equal sides.
A. parallelogram B. rhombus C. rectangle D. trapezium

16. The ______ has 4 equal sides.
A. parallelogram B. square C. rectangle D. trapezium

17. The quadrilateral in which all sides are equal in length and all angles are equal in measure is called a ______
A. parallelogram B. rectangle C. trapezium D. square

18. The ______ is a rhombus with 4 right angles.
A. parallelogram B. rectangle C. trapezium D. square

19. The ______ is a rectangle has 4 equal sides.
A. parallelogram B. square C. rhombus. D. trapezium

20. In ΔABC, if $m(\angle A) = 46°$, $m(\angle B) = 38°$ and $m(\angle C) = 96°$, then the triangle is ______ angled triangle.
A. an acute B. a right C. an obtuse D. straight

21. In ΔABC, $m(\angle A) = 50°$, $m(\angle B) = 60°$ and $m(\angle C) = 70°$, then the triangle is ______ angled triangle.
A. acute B. right C. obtuse

Choose the correct answer

22 In ΔABC, $m(\angle A) = 130°$ and $m(\angle B) = m(\angle C) = 25°$, then the triangle is ______ angled triangle.

A. acute **B.** right **C.** obtuse

23 In ΔXYZ, $m(\angle X) = 90°$, $m(\angle Y) = 40°$ and $m(\angle Z) = 50°$, then the triangle is ______ angled triangle.

A. acute **B.** right **C.** obtuse

24 Any triangle has at least ______ acute angles.

A. 2 **B.** 3 **C.** 4 **D.** 5

25 All the acute triangles have ______ acute angles.

A. 0 **B.** 1 **C.** 2 **D.** 3

26 The right triangle has ______ right angle.

A. 0 **B.** 1 **C.** 2 **D.** 3

27 The right-angled triangle has ______ acute angle[s].

A. 3 **B.** 2 **C.** 1 **D.** 0

28 The obtuse triangle has ______ obtuse angle[s].

A. 0 **B.** 1 **C.** 2 **D.** 3

29 All the obtuse triangles has ______ acute angles.

A. 0 **B.** 1 **C.** 2 **D.** 3

30 In the equilateral triangle the side lengths are ______

A. 4, 5, 3 cm **B.** 4, 4, 5 cm **C.** 4, 4, 4 cm **D.** 3, 5, 6 cm

31 The triangle whose side lengths are ______ is isosceles triangle.

A. 4, 5, 3 cm **B.** 4, 4, 5 cm **C.** 3, 5, 6 cm **D.** 2, 3, 4 cm

Choose the correct answer

32 The triangle of side lengths are 5 cm , 6 cm , 7 cm is called ________ triangle.

A. Equilateral B. Isosceles C. Scalene

35 If AB = BC = AC , then the triangle ABC is ________ triangle.

A. Equilateral B. Isosceles C. Scalene

34 In the triangle ABC , AB = BC = 5 cm. , AC = 3 cm. , then the triangle is ________

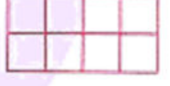
A. equilateral. B. isosceles. C. scalene.

35 I am a triangle with only 2 equal sides , the measure of one of my angles is greater than 90°
What kind of triangle am I ?

A. Isosceles , right B. Isosceles , obtuse

C. Scalene , obtuse D. Isosceles , acute

36 The area of the opposite rectangle = ________ square units.



A. 10 B. 8

C. 6 D. 4

37 Area of rectangle = ________

A. L + W B. L × W C. L ÷ W D. (L + W) × 2

38 The area of a rectangle its length 4 cm and width 3 cm is ________ $cm.^2$

A. 3 B. 4 C. 12 D. 7

39 The area of rectangle of length $\frac{3}{4}$ cm and width $\frac{2}{5}$ cm is ________ cm^2

A. $\frac{1}{4}$ B. $\frac{5}{9}$ C. $\frac{3}{10}$ D. $\frac{2}{3}$

40 The area of rectangle of dimensions $5\frac{1}{2}$ meters and $2\frac{1}{2}$ meters is ________

A. $13\frac{3}{4}$ m B. 8 m C. 8 m^2 D. $13\frac{3}{4}$ m^2

Choose the correct answer

41 The y-coordinate in the orderd pair (1 , 8) is ______

A. 1 B. 8 C. 1 + 8 D. 8 – 1

42 Which of the following points located on y-axis ?

A. (1 , 0) B. (0 , 1) C. (1 , 1) D. (7 , 0)

43 The X-coordinate in ordered pair (3 , 2) is ______

A. 3 B. 2 C. 5 D. 6

44 The point ______ lies on X-axis.

A. (0 , 5) B. (1 , 5) C. (5 , 1) D. (5 , 0)

45 The origin point is ______

A. (1 , 0) B. (0 , 1) C. (0 , 0) D. (1 , 1)

46 The X-coordinate of the origin point is ______

A. 0 B. 1 C. 2 D. 3

47 The horizontal line in the coordinate plane is called ______

A. x-axis. B. y-axis. C. origin point.

48 The vertical number line on a coordinate plane is called ______

A. x-axis. B. y-axis. C. origin point.

49 The point of intersection of x-axis and y-axis is called ______

A. x-axis. B. y-axis. C. origin point.

Unit 10

Complete the following

1. The two .... lines are never intersecting.

2. The subcategory between the square and the rectangle , they have .... angles.

3. The subcategory between the square and the rhombus. , they have .... sides.

4. In the equilateral triangle LMN , LM = MN = 5 cm , then LN = ... cm

5. The equilateral triangle ABC has AB = BC = ...

6. The triangle XYZ is an equilateral triangle whose perimeter is 18 cm , then XY = ... cm

7. In Δ ABC , AB = BC = 7 cm and AC = 4 cm , then the triangle is ....

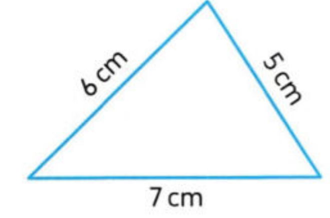
8. In Δ ABC , AB = 5 cm , BC = 7 cm and AC = 3 cm , then the triangle is ....

9. In any triangle, there are two .... angles at least.

10. The right-angled triangle has two acute angles and .... angle.

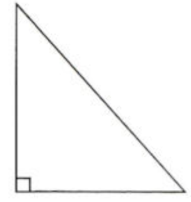
11. In the triangle ABC , m (∠ A) = m (∠ B) = 70° and m (∠ C) = 40° , then the triangle is .... angled triangle.

12. The opposite triangle is called .... triangle.



Choose the correct answer

13. The triangle opposite is .... – angled triangle.



14. The area of rectangle of dimensions $2\frac{3}{4}$ m and $3\frac{1}{2}$ m is ....

15. The area of rectangle of dimensions 2 m and $2\frac{1}{2}$ m = ...

16. The x-coordinate of the point (1 ,4) is ....

17. The point (0 ,7) lies on .... – axis.

18. In the points (1 ,5) ,(2 ,10) and (3 ,15) ,the .... values increase by 5

19. The value of the missing numbers in the following table are .... and ....

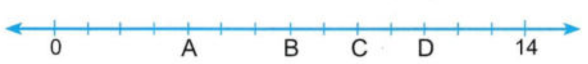
X- values	1	3	5	7	9	11
Y- values	5	15	25	—	45	—

Answer the following

1. A house has a door that is $1\frac{1}{2}$ m wide and $2\frac{1}{2}$ m long.
What is the area of the door in square meters ?

2. **Which is greater in area ?**
A rectangle of length $2\frac{1}{2}$ cm and width $3\frac{1}{3}$ cm or another rectangle of dimensions $3\frac{1}{2}$ cm and $2\frac{1}{3}$ cm

3. **Use the number line to answer the questions.**



1. What is the value of C ?
2. What is the value of D ?
3. What is the value of A ?
4. How far is point B from D ?
5. How far is point C from A ?

Answer the following

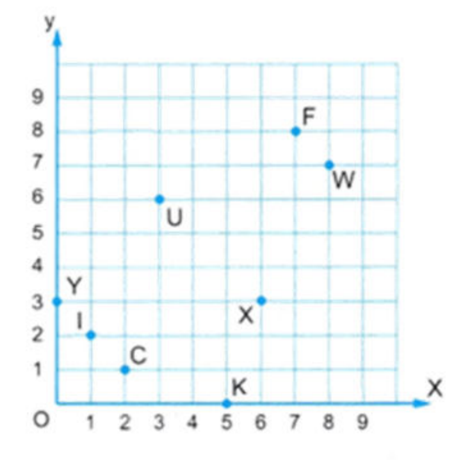
4 In the following grid , observe and answer.

Write the ordered pair of each of the following points :

1. W ______ 2. Y ______ 3. I ______

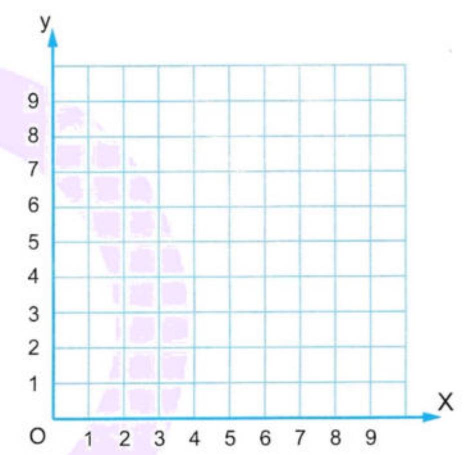
4. F ______ 5. C ______ 6. X ______

7. K ______ 8. U ______



5 In the opposite coordinate plane :

1. Graph the figure ABCD where A (2 , 8) , B (3 , 4) , C (8 , 4) and D (7 , 8)
2. What is the name of the figure ABCD ?
3. What is the length of $\overline{AD}$?
4. $\overline{AD}$ // ______ , $\overline{AB}$ // ______

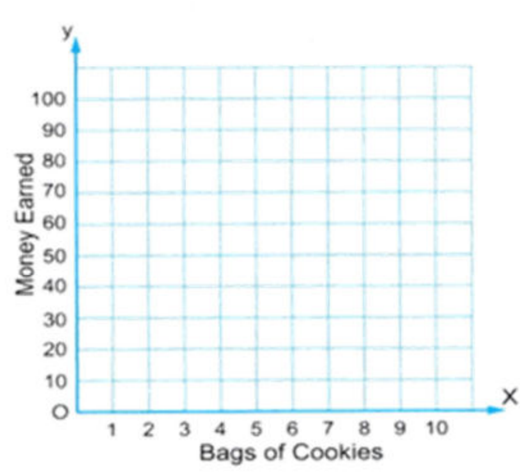


6 Yara is selling bags of cookies in her friends to make extra money to buy a new bike.

She earns 10 L.E. for each bag of cookies she sells.

Complete the table and then graph the points on the coordinate grid.

Bages of Cookies	Money Earned in L.E.
2	......
4	......
7	......
8	......
10	......



Answer the following

7 Yehia and Paula are in a 5-hour bike race. Yehia is travelling at a rate of 40 kilometers per hour. Paula is travelling at a rate of 50 km/hr

(1) Use that information to complete the tables.

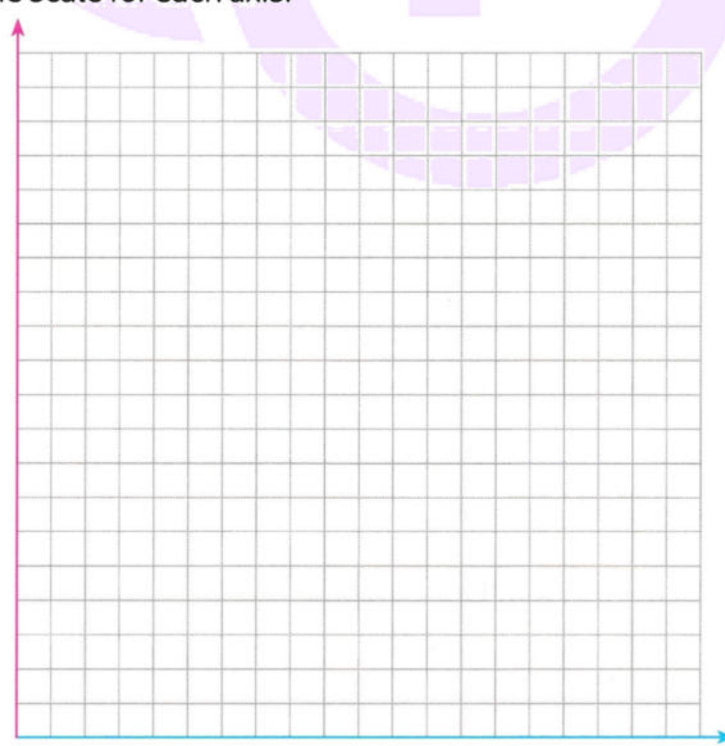
Yehia (40 km/hr)

Number of Hours	Total Distance (km)
1	
2	
3	
4	
5	

Paula (50 km/hr)

Number of Hours	Total Distance (km)
1	
2	
3	
4	
5	

(2) Graph the data from your table on the coordinate plane. Use a different color to represent each biker's data. Remember to label the x-axis and the y-axis and determine the scale for each axis.



The Answers

Choose the correct answer :

1. C	2. B	3. A	4. D	5. D
6. C	7. A	8. B	9. A	10. C
11. C	12. B	13. C	14. D	15. B
16. B	17. D	18. D	19. B	20. C
21. A	22. C	23. B	24. A	25. D
26. B	27. B	28. B	29. C	30. C
31. B	32. C	33. A	34. B	35. B
36. B	37. B	38. C	39. C	40. D
41. B	42. B	43. A	44. D	45. C
46. A	47. A	48. B	49. C	

Complete the following:

1. parallel	2. 4 right	3. 4 equal	4. 5
5. AC	6. 6	7. isosceles	8. scalene
9. Acute	10. one right	11. Acute	12. Scalene
13. right	14. $9\frac{5}{8}$ m^2	15. 5 m^2	16. 1
17. Y	18. Y	19. 35 , 55	

The Answers

Answer the following:

1. $3\frac{3}{4}$

2. The first = $8\frac{1}{3}$, the second $8\frac{1}{6}$, the first is greater

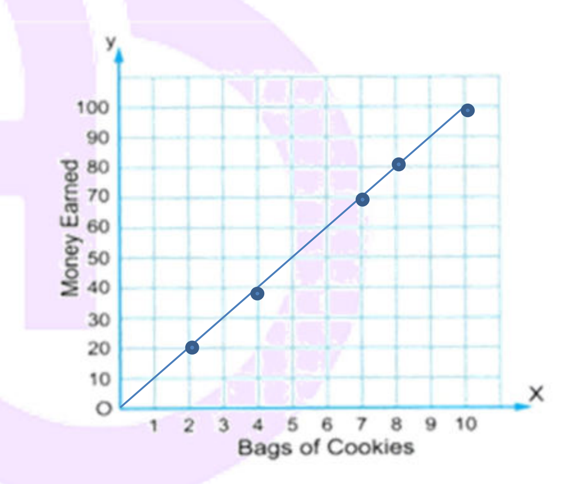
3. 1) 9 2) 11 3) 4 4) 4 units 5) 5 units

4. W(8,7) Y(0,3) I(1,8) F(7,8) C(2,1) X(6,3) K(5,0) U(3,6)

5. 1) answer by yourself 2) parallelogram 3) AD//BC , AB//DC

6.

Bages of Cookies	Money Earned in L.E.
2	20
4	40
7	70
8	80
10	100



7)

1.

Yehia [40 km/hr]

Number of Hours	Total Distance [km]
1	40
2	80
3	120
4	160
5	200

Paula [50 km/hr]

Number of Hours	Total Distance [km]
1	50
2	100
3	150
4	200
5	250

2. Draw by yourself

Choose the correct answer:

1 $\frac{1}{2} \div 5 =$ ....

ⓐ $\frac{1}{10}$ ⓑ 10 ⓒ $\frac{1}{7}$ ⓓ $\frac{2}{5}$

2 $3 \div \frac{1}{2} =$ ....

ⓐ $\frac{1}{6}$ ⓑ $\frac{1}{9}$ ⓒ $\frac{3}{2}$ ⓓ 6

3 If $6 \div a = 12$, then $a =$ ......

ⓐ 2 ⓑ 3 ⓒ $\frac{1}{2}$ ⓓ 6

4 The triangle whose measures of its angles are 40°, 50° and 90° is called ...... angled triangle.

ⓐ right ⓑ obtuse ⓒ acute ⓓ otherwise

5 $\frac{2}{3}$ of 9 = ...

ⓐ 18 ⓑ 27 ⓒ 6 ⓓ 12

6 The area of rectangle = ...

ⓐ $L \times W$ ⓑ $L \div W$ ⓒ $(L + W) \times 2$ ⓓ $L + W$

7 If $\frac{1}{2} \div m = \frac{1}{16}$, then $m =$ ....

ⓐ 8 ⓑ $\frac{1}{8}$ ⓒ 16 ⓓ 2

8 There are .... thirds in 9.

ⓐ 18 ⓑ 27 ⓒ 36 ⓓ 24

9 The opposite triangle is called ......

7 cm
4 cm
7 cm

ⓐ equilateral ⓑ isosceles ⓒ scalene ⓓ otherwise



10	The triangle whose sides lengths are 5 cm, 5 cm and 5 cm is called ………… ⓐ scalene ⓑ isosceles ⓒ equilateral ⓓ right-angled
11	The triangle whose sides lengths are 5 cm, 7 cm and 8 cm is called ………… ⓐ scalene ⓑ isosceles ⓒ equilateral ⓓ right-angled
12	The triangle whose sides lengths are 3 cm, 5 cm and 3 cm is called ………… ⓐ scalene ⓑ isosceles ⓒ equilateral ⓓ right-angled
13	The triangle has at least ………… acute angles. ⓐ 0 ⓑ 1 ⓒ 2 ⓓ 3
14	The obtuse-angled triangle has ………… obtuse angle. ⓐ 0 ⓑ 1 ⓒ 2 ⓓ 3
15	$\frac{3}{5} \times 15 =$ ………… ⓐ 45 ⓑ 1 ⓒ 9 ⓓ 75
16	$\frac{1}{2} \times \frac{2}{7} =$ ………… ⓐ $\frac{2}{7}$ ⓑ $\frac{7}{2}$ ⓒ $\frac{1}{7}$ ⓓ 7
17	$2\frac{3}{5} =$ ………… ⓐ $\frac{13}{3}$ ⓑ $\frac{11}{5}$ ⓒ $\frac{13}{5}$ ⓓ 13
18	$\frac{1}{3} \div 5 =$ ………… ⓐ 15 ⓑ $\frac{1}{15}$ ⓒ $\frac{3}{5}$ ⓓ $\frac{5}{3}$
19	$7 \div \frac{1}{5} =$ ………… ⓐ $\frac{1}{35}$ ⓑ 35 ⓒ $\frac{7}{5}$ ⓓ $\frac{5}{7}$

20 If $\frac{1}{3} \div m = \frac{1}{12}$, then m = ...

ⓐ 4 ⓑ $\frac{1}{4}$ ⓒ 6 ⓓ $\frac{1}{6}$

21 If $\frac{1}{3} \times m = \frac{1}{15}$, then m = ...

ⓐ 5 ⓑ $\frac{1}{5}$ ⓒ 12 ⓓ 45

22 $\frac{1}{4} \times \ldots\ldots = 1$

ⓐ 4 ⓑ $\frac{1}{4}$ ⓒ 2 ⓓ 8

23 $\frac{1}{4} \times \ldots\ldots = 2$

ⓐ 4 ⓑ 8 ⓒ 12 ⓓ $\frac{1}{8}$

24 $\frac{3}{\ldots\ldots} \times \frac{5}{8} = \frac{15}{16}$

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 4

25 $2\frac{1}{4} \times 8 = \frac{\ldots\ldots}{\ldots\ldots} \times 8$

ⓐ $\frac{1}{4}$ ⓑ $\frac{9}{4}$ ⓒ $\frac{7}{4}$ ⓓ 8

26 $2\frac{1}{4} \times 8 = (2 \times 8) + (\ldots\ldots \times 8)$

ⓐ 2 ⓑ 8 ⓒ $\frac{1}{4}$ ⓓ 16

27 $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \frac{4}{5}$ = ...

ⓐ 36 ⓑ 120 ⓒ $\frac{1}{5}$ ⓓ 5

28 $3 \times \frac{1}{3}$ ◯ $3 \div \frac{1}{3}$

ⓐ $<$ ⓑ $>$ ⓒ $=$ ⓓ otherwise

29	$\frac{3}{7} \times ..... = \frac{3}{7} + \frac{3}{7} + \frac{3}{7} + \frac{3}{7} + \frac{3}{7}$ ⓐ 2 ⓑ 3 ⓒ 4 ⓓ 5
30	If the side lengths of a triangle are different, then it is called ……… triangle. ⓐ equilateral ⓑ isosceles ⓒ scalene ⓓ otherwise
31	If the lengths of two sides of an equilateral triangle are 5.7 cm and 5.7 cm, then the length of the third side = ……… cm. ⓐ 5 ⓑ 7 ⓒ 7.5 ⓓ 5.7



Essay Problems:

1	A widow of $\frac{3}{10}$ meter wide and 2 meters long. Calculate its area. …………………………………………………………………………
2	Ahmed owns a parking lot. The lot is 4 km long and $3\frac{1}{2}$ km wide. Calculate its area. …………………………………………………………………………
3	Ali has $2\frac{1}{3}$ bags of soil. Each bag has a mass of $7\frac{1}{2}$ kilograms. How many kilograms does he have? …………………………………………………………………………
4	If you want to distribute 19 Liters of oil equally in 6 bottles. Find the volume of oil in each bottle. …………………………………………………………………………



Answers

Choose:

1.	A	2.	D	3.	C	4.	A
5.	C	6.	A	7.	A	8.	B
9.	B	10.	C	11.	A	12.	B
13.	C	14.	B	15.	C	16.	C
17.	C	18.	B	19.	B	20.	A
21.	B	22.	A	23.	B	24.	B
25.	B	26.	C	27.	C	28.	A
29.	D	30.	C	31.	D		

Essay Problems:

1. $\frac{3}{10} \times 2 = \frac{3}{5} m^2$.

2. $4 \times \frac{7}{2} = 14\, km^2$.

3. $\frac{7}{3} \times \frac{15}{2} = \frac{35}{2} = 17\frac{1}{2} kg$.

4. $19 \div 6 = \frac{19}{6} = 3\frac{1}{6} L$.

Q1: Choose the correct answer:

1 If $\frac{1}{5} \times k = \frac{1}{20}$, then the value of k = ...

ⓐ 4 ⓑ $\frac{1}{4}$ ⓒ 15 ⓓ $\frac{1}{15}$

2 $3\frac{2}{5} \times 5 =$ ....

ⓐ 5 ⓑ $\frac{17}{5}$ ⓒ 17 ⓓ $3\frac{10}{5}$

3 $2\frac{1}{7}$ is equivalent to ....

ⓐ $\frac{14}{7}$ ⓑ $\frac{15}{17}$ ⓒ 15 ⓓ $\frac{15}{7}$

4 $\frac{3}{4} \times 6 =$ .... $\times 3$

ⓐ $\frac{3}{4}$ ⓑ $\frac{2}{3}$ ⓒ $\frac{3}{2}$ ⓓ $\frac{6}{9}$

5 $\frac{5}{8} \times \frac{4}{15} = \frac{1}{2} \times$ ....

ⓐ $\frac{1}{15}$ ⓑ $\frac{2}{3}$ ⓒ $\frac{2}{10}$ ⓓ $\frac{1}{3}$

6 $\frac{8}{9} \times \frac{....}{6} = \frac{4}{9}$

ⓐ 8 ⓑ 1 ⓒ 3 ⓓ 4

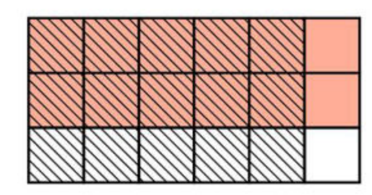
7 $\frac{3}{4} \times$ .... $= \frac{3}{8}$

ⓐ $\frac{1}{4}$ ⓑ $\frac{2}{2}$ ⓒ $1\frac{1}{2}$ ⓓ $\frac{1}{2}$

8 .... $\times \frac{3}{7} = \frac{2}{7}$

ⓐ $\frac{2}{3}$ ⓑ $\frac{3}{2}$ ⓒ $\frac{1}{7}$ ⓓ $\frac{5}{7}$

9 Which multiplication statement represent the opposite model?



ⓐ $\frac{6}{5} \times \frac{3}{2}$ ⓑ $\frac{2}{3} \times \frac{5}{6}$

ⓒ $\frac{1}{6} \times \frac{1}{3}$ ⓓ $\frac{2}{3} \times \frac{1}{6}$

10 $3\frac{4}{7} \times .... = \frac{25}{7} \times \frac{12}{5}$

ⓐ $1\frac{2}{5}$ ⓑ $2\frac{1}{5}$ ⓒ $2\frac{2}{5}$ ⓓ $5\frac{1}{2}$

11 $3\frac{2}{5} \times \frac{1}{4} = [3 \times \frac{1}{4}] + [....... \times \frac{1}{4}]$

ⓐ $\frac{5}{2}$ ⓑ $\frac{17}{5}$ ⓒ $\frac{2}{5}$ ⓓ $\frac{1}{4}$

12 $7\frac{1}{4} \times .... = 1$

ⓐ $\frac{4}{28}$ ⓑ $\frac{4}{29}$ ⓒ $\frac{29}{4}$ ⓓ $7\frac{1}{4}$

13 $5 \times \frac{4}{7}$ is equivalent to ....

ⓐ 20×7 ⓑ $2 \times \frac{10}{7}$ ⓒ $3 \times \frac{3}{7}$ ⓓ $6 \times \frac{3}{7}$

14 $\frac{15}{35} \times 7\frac{3}{5} = \frac{15}{35} \times [7 + ...]$

ⓐ $\frac{3}{5}$ ⓑ $\frac{15}{35}$ ⓒ $\frac{35}{15}$ ⓓ $7\frac{3}{5}$

15 $4 \div \frac{1}{2} = ...$

ⓐ 2 ⓑ 6 ⓒ 8 ⓓ $4\frac{1}{2}$

16 $7 \div \frac{1}{6} = 7 \times ....$

ⓐ 3 ⓑ 1 ⓒ 6 ⓓ $\frac{7}{6}$

17 If $8 \div k = 24$, then the value of $k = ...$

ⓐ 3 ⓑ $\frac{1}{3}$ ⓒ 32 ⓓ $\frac{1}{2}$

18 $3 \div 18 = ...$

ⓐ $\frac{1}{3} \div \frac{1}{2}$ ⓑ $\frac{1}{2} \div \frac{1}{3}$ ⓒ $\frac{1}{2} \div 3$ ⓓ $3 \div \frac{1}{2}$

19 How many third's are there in 8?

ⓐ 3 ⓑ $\frac{8}{3}$ ⓒ 24 ⓓ $\frac{3}{8}$

20 $.......... \div \frac{1}{4} = 16$

ⓐ 8 ⓑ 2 ⓒ 4 ⓓ $\frac{1}{4}$

Q2: Complete the following:

1. .... $\div \frac{1}{2} = 14$
2. $\frac{7}{9} \times$ .... $= 7$
3. $3\frac{3}{5} \times 7 = 7 \times$ [3 + ...]
4. $4 \div$ .... $= 16$
5. $7 \div 3 =$ ....
6. $2\frac{1}{4} \times 3\frac{1}{3} =$ ....
7. $\frac{2}{11} \times$ .... $= \frac{3}{11}$
8. $5\frac{3}{4} \times$ .... $= 1$
9. $3\frac{4}{7} =$ .... [as improper fraction]
10. $\frac{2}{3}$ of 9 = ...
11. $\frac{15}{4} =$ .... [as mixed number]
12. $2\frac{1}{4} \times \frac{5}{8} =$ [...... $\times \frac{5}{8}$] + [$\frac{1}{4} \times$ ....]

Q3: Answer the following:

1. Omar has 30 feddans of land, He planting $\frac{5}{6}$ of the land .
   what the number of feddans planting?

2. There are 5 kilograms of flour, A worker divides the flour into package of $\frac{1}{4}$ kg.
   How many package will be made?

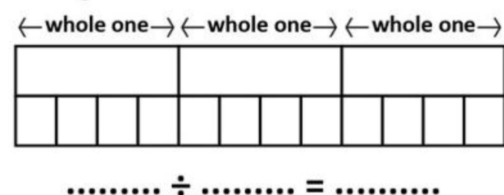
3. The price of each pen is $2\frac{1}{2}$ LE. Find the price of 5 pens.

4. It takes Hala $\frac{1}{3}$ of an hour to model 4 identical clay figures.
   How long does it take for Hala to model one clay figure?

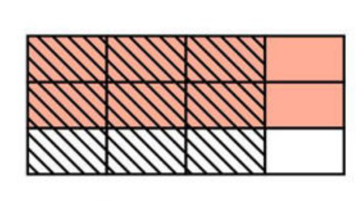
5. Nouran had $2\frac{1}{2}$ pounds, and her father gave her $3\frac{1}{2}$ pounds. She wants to buy pens that cost $\frac{1}{2}$ pounds each. How many pens can she buy?

   ....

6. Using the models shown, then answer:



.... ÷ .... = ...



.... × .... = ...



Q1: Choose the correct answer:

1 A .... is a quadrilateral with two pairs of parallel sides, and all of its sides are equal.

ⓐ rectangle ⓑ rhombus ⓒ trapezium ⓓ parallelogram

2 A .... is a quadrilateral with one pair of acute angle and one pair of obtuse angles.

ⓐ rectangle ⓑ square ⓒ trapezium ⓓ parallelogram

3 A parallelogram with four right angles is a ....

ⓐ rectangle ⓑ rhombus ⓒ trapezium ⓓ parallelogram

4 A .... is a quadrilateral with two pairs of parallel sides, all its angles are right and all its sides are equal in length.

ⓐ square ⓑ rhombus ⓒ trapezium ⓓ parallelogram

5 A rhombus with four right angles is a ....

ⓐ square ⓑ rhombus ⓒ trapezium ⓓ parallelogram

6 A rectangle with four equal sides is a ....

ⓐ square ⓑ rhombus ⓒ trapezium ⓓ parallelogram

7 A parallelogram with four equal sides is a ....

ⓐ rectangle ⓑ rhombus ⓒ trapezium ⓓ parallelogram

8 A square has .... axes of symmetry.

ⓐ 0 ⓑ 1 ⓒ 2 ⓓ 4

9 The pentagon has ....side[s].

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 5

10 Which of the following is obtuse angle?

ⓐ 75° ⓑ 90° ⓒ 91° ⓓ 180°

11 The four angles are equal in square and ....

ⓐ rectangle ⓑ rhombus ⓒ trapezium ⓓ parallelogram

12 The rectangle which has two adjacent sides are equal in length is called ....

ⓐ square ⓑ rhombus ⓒ kite ⓓ parallelogram

13 The triangle which has 3 different sides is called ....

ⓐ scalene ⓑ equilateral ⓒ isosceles ⓓ otherwise

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14 75°, 80°, and 25° are the measures of the angles of .... triangle

ⓐ acute ⓑ right ⓒ obtuse ⓓ otherwise

15 Any triangle contains at least .... acute angle(s).

ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 0

16 A triangle whose side lengths are 4 cm, 4 cm .... cm is an equilateral triangle

ⓐ 4 ⓑ 7 ⓒ 3 ⓓ 5

17 The triangle that has a right angle and two acute angles is called a/an .... triangle.

ⓐ acute ⓑ right ⓒ obtuse ⓓ otherwise

18 A triangle whose side lengths are 3 cm, 5 cm, and 3 cm is called a/an .... triangle.

ⓐ scalene ⓑ equilateral ⓒ isosceles ⓓ otherwise

19 The rectangle has .... of parallel sides.

ⓐ 1 pair ⓑ 2 pairs ⓒ 3 pairs ⓓ 4 pairs

20 Area of rectangle = ...

ⓐ $L \times W$ ⓑ $W \times 2$ ⓒ $W + L + 2$ ⓓ $(W + L) \times 2$

21 The area of rectangle its dimensions $3\frac{1}{5}$ cm, and $2\frac{1}{2}$ cm is ....

ⓐ 8 m² ⓑ 8 cm² ⓒ 8 km² ⓓ 8 cm

Q2: Complete the following:

1 The type of the triangle whose side lengths are 4 cm, 3 cm, and 6 cm according to the lengths of its sides, is a/an .... triangle.

2 The type of an equilateral triangle according to the types of its angles, is a/an .... triangle.

3 A square contains .... of the parallel sides and .... right angles.

4 A quadrilateral that has only one pair of parallel sides is a ....

5 A quadrilateral that has two pairs of parallel sides and all of its angles are right angles is a ....

6 The quadrilateral that has one pair of acute angles, one pair of obtuse angles, two pairs of parallel sides, and all its sides are equal is a ....

7 A kite contains .... of congruent adjacent sides.

8 The type of the triangle whose side lengths are equal according to the lengths of its sides, is a/an .... triangle.









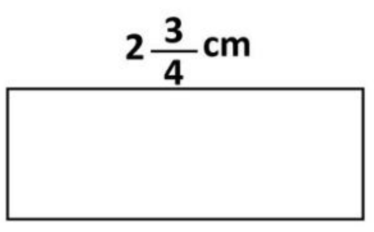
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9 The area of a rectangle whose dimensions are $1\frac{3}{5}$ cm and $2\frac{7}{8}$ cm is ....

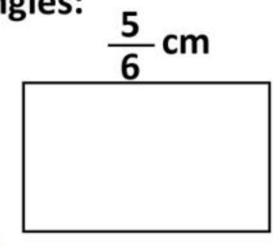
10 The rectangle whose width is $\frac{3}{4}$ cm and its area is 3 cm², its length is ....

Q3: Answer the following:

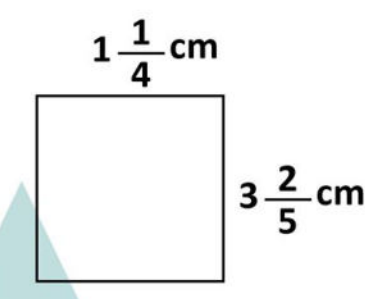
1 Find the area of the following rectangles:



Area = ...



Area = ...



Area = ...

2 Study the corresponding figure, then complete:

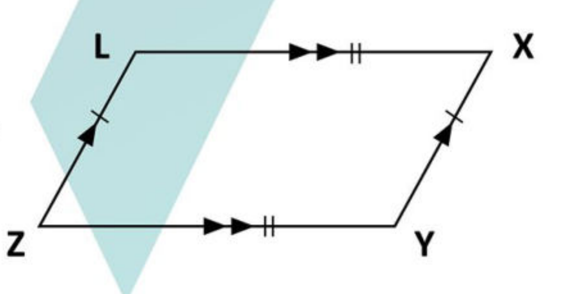
A] The corresponding figure is called ....

B] YZ and .... are parallel and congruent.

C] LZ and .... are parallel and congruent.

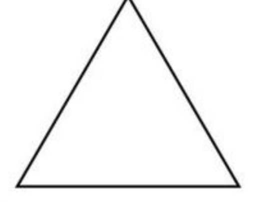
D] ∠ X and ∠ Z are .... angles.

E] ∠ Y and ∠ L are .... angles.



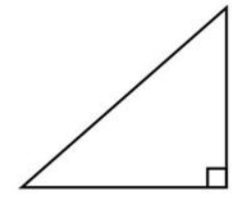
3 Which two types of triangles are shown?

A] Scalene triangle
B] Isosceles triangle
C] Equilateral triangle
D] Right triangle
E] Acute triangle
F] obtuse triangle



4 Which two types of triangles are shown?

A] Scalene triangle
B] Isosceles triangle
C] Equilateral triangle
D] Right triangle
E] Acute triangle
F] obtuse triangle



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والنفع يا كريم يا وهّاب.

Q1: Choose the correct answer:

1 If $\frac{1}{5} \times k = \frac{1}{20}$, then the value of k = ...

(a) 4 (b) $\frac{1}{4}$ (c) 15 (d) $\frac{1}{15}$

2 $3\frac{2}{5} \times 5 =$ ....

(a) 5 (b) $\frac{17}{5}$ (c) 17 (d) $3\frac{10}{5}$

3 $2\frac{1}{7}$ is equivalent to ....

(a) $\frac{14}{7}$ (b) $\frac{15}{17}$ (c) 15 (d) $\frac{15}{7}$

4 $\frac{3}{4} \times 6 =$ .... $\times 3$

(a) $\frac{3}{4}$ (b) $\frac{2}{3}$ (c) $\frac{3}{2}$ (d) $\frac{6}{9}$

5 $\frac{5}{8} \times \frac{4}{15} = \frac{1}{2} \times$ ....

(a) $\frac{1}{15}$ (b) $\frac{2}{3}$ (c) $\frac{2}{10}$ (d) $\frac{1}{3}$

6 $\frac{8}{9} \times \frac{....}{6} = \frac{4}{9}$

(a) 8 (b) 1 (c) 3 (d) 4

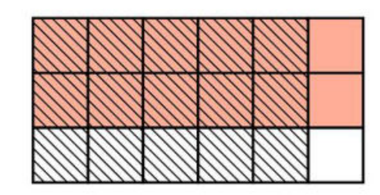
7 $\frac{3}{4} \times$ .... $= \frac{3}{8}$

(a) $\frac{1}{4}$ (b) $\frac{2}{2}$ (c) $1\frac{1}{2}$ (d) $\frac{1}{2}$

8 .... $\times \frac{3}{7} = \frac{2}{7}$

(a) $\frac{2}{3}$ (b) $\frac{3}{2}$ (c) $\frac{1}{7}$ (d) $\frac{5}{7}$

9 Which multiplication statement represent the opposite model?



(a) $\frac{6}{5} \times \frac{3}{2}$ (b) $\frac{2}{3} \times \frac{5}{6}$

(c) $\frac{1}{6} \times \frac{1}{3}$ (d) $\frac{2}{3} \times \frac{1}{6}$

10 $3\frac{4}{7} \times .... = \frac{25}{7} \times \frac{12}{5}$

(a) $1\frac{2}{5}$ (b) $2\frac{1}{5}$ (c) $2\frac{2}{5}$ (d) $5\frac{1}{2}$

11 $3\frac{2}{5} \times \frac{1}{4} = [3 \times \frac{1}{4}] + [....... \times \frac{1}{4}]$

(a) $\frac{5}{2}$ (b) $\frac{17}{5}$ (c) $\frac{2}{5}$ (d) $\frac{1}{4}$

12 $7\frac{1}{4} \times .... = 1$

(a) $\frac{4}{28}$ (b) $\frac{4}{29}$ (c) $\frac{29}{4}$ (d) $7\frac{1}{4}$

13 $5 \times \frac{4}{7}$ is equivalent to ....

(a) 20×7 (b) $2 \times \frac{10}{7}$ (c) $3 \times \frac{3}{7}$ (d) $6 \times \frac{3}{7}$

14 $\frac{15}{35} \times 7\frac{3}{5} = \frac{15}{35} \times [7 + ...]$

(a) $\frac{3}{5}$ (b) $\frac{15}{35}$ (c) $\frac{35}{15}$ (d) $7\frac{3}{5}$

15 $4 \div \frac{1}{2} = ...$

(a) 2 (b) 6 (c) 8 (d) $4\frac{1}{2}$

16 $7 \div \frac{1}{6} = 7 \times ....$

(a) 3 (b) 1 (c) 6 (d) $\frac{7}{6}$

17 If $8 \div k = 24$, then the value of k = ...

(a) 3 (b) $\frac{1}{3}$ (c) 32 (d) $\frac{1}{2}$

18 $3 \div 18 = ...$

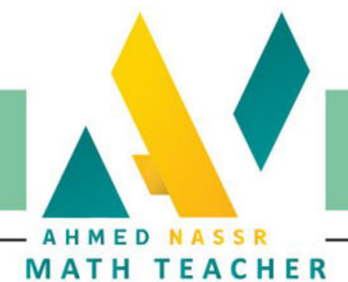
(a) $\frac{1}{3} \div \frac{1}{2}$ (b) $\frac{1}{2} \div \frac{1}{3}$ (c) $\frac{1}{2} \div 3$ (d) $3 \div \frac{1}{2}$

19 How many third's are there in 8?

(a) 3 (b) $\frac{8}{3}$ (c) 24 (d) $\frac{3}{8}$

20 $.......... \div \frac{1}{4} = 16$

(a) 8 (b) 4 (c) 2 (d) $\frac{1}{4}$



Q2: Complete the following:

1. ....7.... $\div \frac{1}{2} = 14$
2. $\frac{7}{9} \times$ ....9.... $= 7$
3. $3\frac{3}{5} \times 7 = 7 \times [\, 3 +$ ....$\frac{3}{5}$....]
4. $4 \div$ ....$\frac{1}{4}$.... $= 16$
5. $7 \div 3 =$ ....$2\frac{1}{3}$....
6. $2\frac{1}{4} \times 3\frac{1}{3} =$ ....$7\frac{1}{2}$....
7. $\frac{2}{11} \times$ ....$\frac{3}{2}$.... $= \frac{3}{11}$
8. $5\frac{3}{4} \times$ ....$\frac{4}{23}$.... $= 1$
9. $3\frac{4}{7} =$ ....$\frac{25}{7}$.... [as improper fraction]
10. $\frac{2}{3}$ of $9 =$ ....6....
11. $\frac{15}{4} =$ ....$3\frac{3}{4}$.... [as mixed number]
12. $2\frac{1}{4} \times \frac{5}{8} = [$ ....2.... $\times \frac{5}{8}\,] + [\,\frac{1}{4} \times$ ....$\frac{5}{8}$....]

Q3: Answer the following:

1. Omar has 30 feddans of land, He planting $\frac{5}{6}$ of the land .
   what the number of feddans planting? 25 feddans

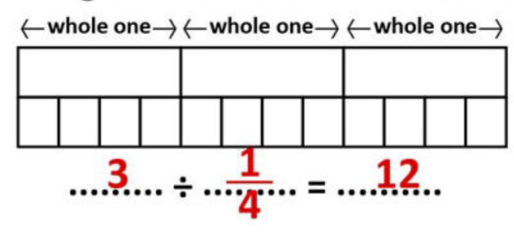
2. There are 5 kilograms of flour, A worker divides the flour into package of $\frac{1}{4}$ kg.
   How many package will be made? 20 packages

3. The price of each pen is $2\frac{1}{2}$ LE. Find the price of 5 pens. $12\frac{1}{2}$ LE

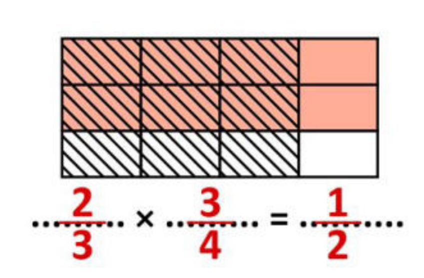
4. It takes Hala $\frac{1}{3}$ of an hour to model 4 identical clay figures.
   How long does it take for Hala to model one clay figure? $\frac{1}{12}$

5. Nouran had $2\frac{1}{2}$ pounds, and her father gave her $3\frac{1}{2}$ pounds. She wants to buy pens that cost $\frac{1}{2}$ pounds each. How many pens can she buy?
   12 pens
   ....

6. Using the models shown, then answer:



....3.... $\div$ ....$\frac{1}{4}$.... $=$ ....12....



....$\frac{2}{3}$.... $\times$ ....$\frac{3}{4}$.... $=$ ....$\frac{1}{2}$....

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Q1: Choose the correct answer:

1. A .... is a quadrilateral with two pairs of parallel sides, and all of its sides are equal.
   (a) rectangle (b) rhombus (c) trapezium (d) parallelogram
2. A .... is a quadrilateral with one pair of acute angle and one pair of obtuse angles.
   (a) rectangle (b) square (c) trapezium (d) parallelogram
3. A parallelogram with four right angles is a ....
   (a) rectangle (b) rhombus (c) trapezium (d) parallelogram
4. A .... is a quadrilateral with two pairs of parallel sides, all its angles are right and all its sides are equal in length.
   (a) square (b) rhombus (c) trapezium (d) parallelogram
5. A rhombus with four right angles is a ....
   (a) trapezium (b) rhombus (c) square (d) parallelogram
6. A rectangle with four equal sides is a ....
   (a) square (b) rhombus (c) trapezium (d) parallelogram
7. A parallelogram with four equal sides is a ....
   (a) rectangle (b) rhombus (c) trapezium (d) parallelogram
8. A square has .... axes of symmetry.
   (a) 0 (b) 1 (c) 2 (d) 4
9. The pentagon has ....side[s].
   (a) 1 (b) 2 (c) 3 (d) 5
10. Which of the following is obtuse angle?
    (a) 75° (b) 90° (c) 91° (d) 180°
11. The four angles are equal in square and ....
    (a) rectangle (b) rhombus (c) trapezium (d) parallelogram
12. The rectangle which has two adjacent sides are equal in length is called ....
    (a) square (b) rhombus (c) kite (d) parallelogram
13. The triangle which has 3 different sides is called ....
    (a) scalene (b) equilateral (c) isosceles (d) otherwise









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14 75°, 80°, and 25° are the measures of the angles of .... triangle

(a) acute (b) right (c) obtuse (d) otherwise

15 Any triangle contains at least .... acute angle(s).

(a) 1 (b) 2 (c) 3 (d) 0

16 A triangle whose side lengths are 4 cm, 4 cm .... cm is an equilateral triangle

(a) 4 (b) 7 (c) 3 (d) 5

17 The triangle that has a right angle and two acute angles is called a/an .... triangle.

(a) acute (b) right (c) obtuse (d) otherwise

18 A triangle whose side lengths are 3 cm, 5 cm, and 3 cm is called a/an .... triangle.

(a) scalene (b) equilateral (c) isosceles (d) otherwise

19 The rectangle has .... of parallel sides.

(a) 1 pair (b) 2 pairs (c) 3 pairs (d) 4 pairs

20 Area of rectangle = ...

(a) L × W (b) W × 2 (c) W + L + 2 (d) (W + L) × 2

21 The area of rectangle its dimensions $3\frac{1}{5}$ cm, and $2\frac{1}{2}$ cm is ....

(a) 8 m² (b) 8 cm² (c) 8 km² (d) 8 cm

Q2: Complete the following:

1 The type of the triangle whose side lengths are 4 cm, 3 cm, and 6 cm according to the lengths of its sides, is a/an ...scalene... triangle.

2 The type of an equilateral triangle according to the types of its angles, is a/an ...acute... triangle.

3 A square contains ...2 pairs... of the parallel sides and ...4... right angles.

4 A quadrilateral that has only one pair of parallel sides is a ...Trapezium... .

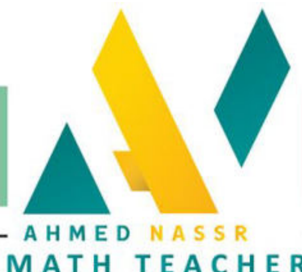
5 A quadrilateral that has two pairs of parallel sides and all of its angles are right angles is a ...rectangle... .

6 The quadrilateral that has one pair of acute angles, one pair of obtuse angles, two pairs of parallel sides, and all its sides are equal is a ...rhombus... .

7 A kite contains ...2 pairs... of congruent adjacent sides.

8 The type of the triangle whose side lengths are equal according to the lengths of its sides, is a/an ...equilateral... triangle.

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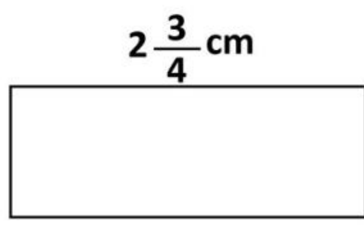


9 The area of a rectangle whose dimensions are $1\frac{3}{5}$ cm and $2\frac{7}{8}$ cm is ....$4\frac{3}{5}$....

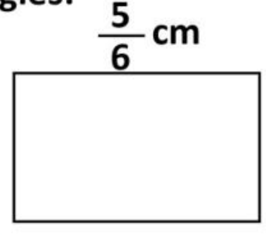
10 The rectangle whose width is $\frac{3}{4}$ cm and its area is 3 cm², its length is .....4.....

Q3: Answer the following:

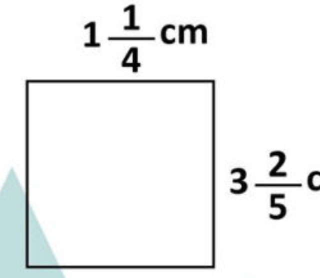
1 Find the area of the following rectangles:



Area = ...$2\frac{1}{5}$....



Area = ...$\frac{1}{6}$....



Area = ...$4\frac{1}{4}$....

2 Study the corresponding figure, then complete:

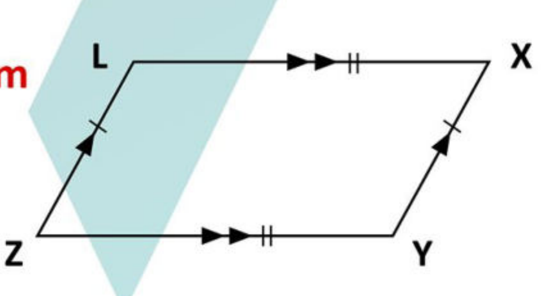
A] The corresponding figure is called ....parallelogram....

B] YZ and ....XL.... are parallel and congruent.

C] LZ and ....XY.... are parallel and congruent.

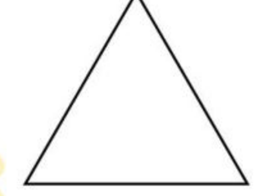
D] ∠ X and ∠ Z are ....acute.... angles.

E] ∠ Y and ∠ L are ....obtuse.... angles.



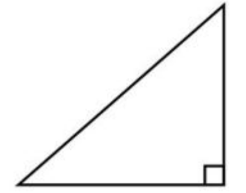
3 Which two types of triangles are shown?

A] Scalene triangle
B] Isosceles triangle
C] Equilateral triangle ✓
D] Right triangle
E] Acute triangle ✓
F] obtuse triangle



4 Which two types of triangles are shown?

A] Scalene triangle
B] Isosceles triangle ✓
C] Equilateral triangle
D] Right triangle ✓
E] Acute triangle
F] obtuse triangle



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Q1) Choose the correct answer:

A) $\frac{2}{5} \times \frac{15}{22} =$ ……………

($\frac{2}{5}$ or $\frac{15}{22}$ or $\frac{30}{100}$ or $\frac{3}{11}$)

B) $3 \div \frac{1}{6} =$ ………………

(3 Or 6 Or 18 Or $\frac{1}{18}$)

C) The number of sixths in one is ....

(5 or 6 or 1 or 0)

D) If $3 \div m = 24$, then m = ...

($\frac{1}{3}$ *or* $\frac{1}{8}$ *or* 3 *or* 8)

E) $9 \div \frac{1}{3} = 9 \times$ ……………

($\frac{1}{3}$ or 3 or 1 or 0)

F) $6 \times \frac{1}{6}$ .... $6 \div \frac{1}{6}$

($<$ *or* $>$ *or* $=$ or $\leq$)

G) $37 \div 7 = 5\frac{A}{7}$, then A is ....

(1 or 2 or 3 or 4)

H) $3\frac{1}{4} \times \frac{4}{7}$ = ...

I) ($\frac{13}{4}$ *or* $1\frac{13}{4}$ *or* $1\frac{6}{7}$ *or* $\frac{6}{7}$)

J) $2\frac{1}{3}$ hour = ...minutes

(140 or 120 or 20 or 100)

K) If $\frac{5}{9} x\ E = 5$, then E = ...

(9 or 5 or 81 or 45)

L) If $\frac{1}{3} \div E = \frac{1}{18}$, then E = ...

$(\frac{1}{3}$ or $\frac{1}{6}$ or 6 or $3)$

M) If $\frac{1}{5}\ x\ E = \frac{1}{20}$, then E = ……………

$(4$ or 6 or $\frac{1}{4}$ or $\frac{1}{6})$

N) The unit fraction is a fraction with numerator

= ....

$(0 \quad or \quad 1 \quad or \quad 2 \quad or \quad 3)$

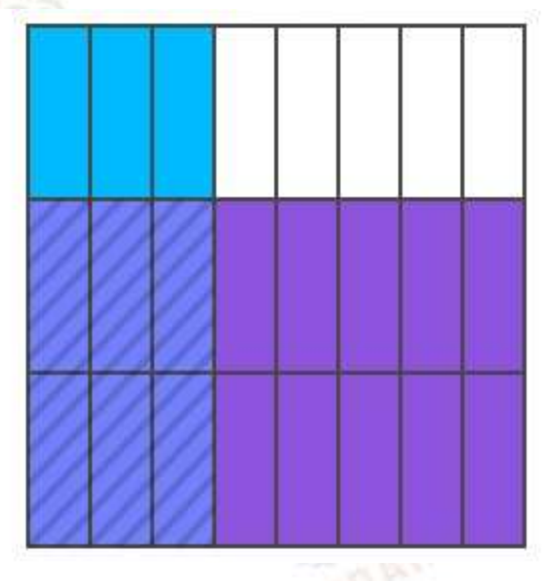
O) $5\frac{1}{3}$ = …………… (as an improper fraction)

$(\frac{15}{3} \quad or \quad \frac{16}{5} \quad or \quad \frac{16}{3} \quad or \quad 5.3333)$

P) $\frac{29}{3}$ =………….. (as a mixed number)

$(7\frac{2}{3} \quad or \quad 9\frac{1}{3} \quad or \quad 9\frac{2}{3} \quad or \quad 10\frac{1}{3})$

Q) Study the multiplication



the missing fraction.

$\frac{3}{8}$ x ....

($\frac{3}{8}$ or $\frac{3}{5}$ or $\frac{2}{3}$ or $\frac{2}{8}$)

R) $\frac{2}{3}$ x .... = 1

($\frac{3}{2}$ or $\frac{3}{3}$ or $\frac{2}{2}$ or $\frac{2}{3}$)

S) $2 \times \frac{3}{5} =$ .... x $\frac{2}{5}$

($\frac{3}{5}$ or 3 or $\frac{2}{5}$ or 2)

Q2)Complete

1. The polygon that has .... sides is called Quadrilateral.

2. The triangle with 3 equal sides is called ....

3. The triangle with 2 equal sides is called ....

4. The triangle with 0 equal sides is called ....

5. Area of rectangle = ... x width

6. The angle of measure less than 90 is .... angle.





7. .... is a quadrilateral with 1 pair of parallel sides.

8. .... is a rhombus with a right angle .

9. $\frac{3}{5}\,x$ .... $= \frac{9}{15}$

*10.*The quotient of $7 \div 3 =$ ....

11.The area of the rectangle with these two dimensions $2\frac{3}{5}$ and $\frac{10}{26}$ is ....

12. $\frac{3}{5}$ x $\frac{8}{\dots\dots\dots} = \frac{24}{35}$

13. $2\frac{7}{9}\ x\ 4 = (2\ x\ 4) + (\ \dots x\ 4)$

14. If $\frac{1}{5}\ x\ N = \frac{2}{15}$, then N = ...



Q3) Answer the following questions:

A) If the price of 16 pens is 24 L.E. Find the price of each one.

....

....

....

B) Soha Samy earns $7\frac{1}{2}$ L.E. for an hour. She works 5 hours per day .

How much money does she earn in two days?

....

....

....



C) Amira ate $\frac{1}{5}$ of 20 candies. How many candies are left ?

……………………………………………………………

……………………………………………………………

……………………………………………………………

D) There are 8 bags of potatoes, each bag has a mass $\frac{3}{5}$ of kg. What is the total mass of the potatoes?

……………………………………………………………

……………………………………………………………

……………………………………………………………

E) A classroom has a window that is $\frac{3}{10}$ m wide and 2 m long .

What is the area of the window in square meter?

……………………………………………………………

……………………………………………………………

……………………………………………………………

F) Sara divides 6 hours equally to study 4 subjects.

What is the number of hours for each subject ?

……………………………………………………………

……………………………………………………………

……………………………………………………………

Q1) Choose the correct answer:

A) $\frac{2}{5} \times \frac{15}{22} =$ ....

($\frac{2}{5}$ or $\frac{15}{22}$ or $\frac{30}{100}$ or $\frac{3}{11}$)

B) $3 \div \frac{1}{6} =$ ....

(3 Or 6 Or 18 Or $\frac{1}{18}$)

C) The number of sixths in one is ....

(5 or 6 or 1 or 0)

D) If $3 \div m = 24$, then m = ...

($\frac{1}{3}$ *or* $\frac{1}{8}$ *or* 3 *or* 8)

E) $9 \div \frac{1}{3} = 9 \times$ ....

($\frac{1}{3}$ or 3 or 1 or 0)


F) $6 \times \frac{1}{6}$ .... $6 \div \frac{1}{6}$

($<$ or $>$ or $=$ or $\leq$)

G) $37 \div 7 = 5\frac{A}{7}$, then A is ....

(1 or 2 or 3 or 4)

H) $3\frac{1}{4} \times \frac{4}{7}$ = ...

I) ($\frac{13}{4}$ or $1\frac{13}{4}$ or $1\frac{6}{7}$ or $\frac{6}{7}$)

J) $2\frac{1}{3}$ hour = ...minutes

(140 or 120 or 20 or 100)

K) If $\frac{5}{9}\, x\, E = 5$, then E = ...

(9 or 5 or 81 or 45)

L) If $\frac{1}{3} \div E = \frac{1}{18}$, then E = ...

$(\frac{1}{3}$ or $\frac{1}{6}$ or **6** or $3)$

M) If $\frac{1}{5} x E = \frac{1}{20}$, then E = ……………

$(4$ or 6 or $\frac{1}{4}$ or $\frac{1}{6})$

N) The unit fraction is a fraction with numerator

= ....

$(0$ or **1** or 2 or $3)$

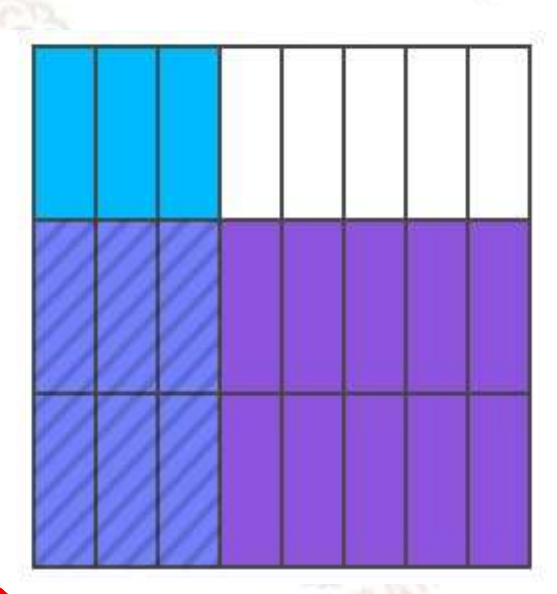
O) $5\frac{1}{3}$ = …………… (as an improper fraction)

$(\frac{15}{3}$ or $\frac{16}{5}$ or $\frac{16}{3}$ or $5.3333)$

P) $\frac{29}{3}$ =………….. (as a mixed number)

$(7\frac{2}{3}$ or $9\frac{1}{3}$ or $9\frac{2}{3}$ or $10\frac{1}{3})$

Q) Study the multiplication



the missing fraction.

$\frac{3}{8}$ x ....

($\frac{3}{8}$ or $\frac{3}{5}$ or $\frac{2}{3}$ or $\frac{2}{8}$)

R) $\frac{2}{3}$ x .... = 1

($\frac{3}{2}$ or $\frac{3}{3}$ or $\frac{2}{2}$ or $\frac{2}{3}$)

S) $2 \times \frac{3}{5} =$ .... x $\frac{2}{5}$

($\frac{3}{5}$ or 3 or $\frac{2}{5}$ or 2)

Q2)Complete

1.The polygon that has **4** sides is called

Quadrilateral.

2. The triangle with 3 equal sides is called

Equilateral

3. The triangle with 2 equal sides is called **Isosceles**

4. The triangle with 0 equal sides is called Scalene

5. Area of rectangle = **Length** x width

6. The angle of measure less than 90 is **Right** angle.



7. **Trapezium** is a quadrilateral with 1 pair of parallel sides.

8. **Square** is a rhombus with a right angle .

9. $\frac{3}{5}\,x\ \frac{\mathbf{3}}{\mathbf{3}}=\frac{9}{15}$

*10.*The quotient of $7 \div 3 =$ $\mathbf{2\frac{1}{3}}$

11. The area of the rectangle with these two dimensions $2\frac{3}{5}$ and $\frac{10}{26}$ is 1

12. $\frac{3}{5}$ x $\frac{8}{\mathbf{7}} = \frac{24}{35}$

13. $2\frac{7}{9}\ x\ 4 = (2\ x\ 4) + (\ \frac{\mathbf{7}}{\mathbf{9}}\,x\ 4)$

14. If $\frac{1}{5}\ x\ N = \frac{2}{15}$, then N = $\mathbf{\frac{2}{3}}$



Q3) Answer the following questions:

A) If the price of 16 pens is 24 L.E. Find the price of each one.

The price of each one is 24 ÷ 16 = $\frac{24}{16} = \frac{3}{2}$

$= 1\ \frac{1}{2}$ ***L.E.***

B) Soha Samy earns $7\frac{1}{2}$ L.E. for an hour. She works 5 hours per day .

How much money does she earn in two days?

She has earned in one day: 5 x $7\frac{1}{2} = 35\frac{5}{2} = 37\frac{1}{2}$ **L.E.**

She has earned in two days: 2x$37\frac{1}{2}$ **= 75 L.E.**

C) Amira ate $\frac{1}{5}$ of 20 candies. How many candies are left ?

Amira ate $\frac{1}{5}$ of 20 = 4 candies

The number of left candies is: 20-4 = 16 candies

D) There are 8 bags of potatoes, each bag has a mass $\frac{3}{5}$ of kg. What is the total mass of the potatoes?

The total mass of the potatoes is: $\frac{3}{5} \times 8 = \frac{24}{5} = 4\frac{4}{5}$ kg

E) A classroom has a window that is $\frac{3}{10}$ m wide and 2 m long .

What is the area of the window in square meter?

The area of the window in square meter is:

$$2 \times \frac{3}{10} = \frac{6}{10} \text{ m}^2$$





F) Sara divides 6 hours equally to study 4 subjects.

What is the number of hours for each subject ?

The number of hours for each subject is:

$$\frac{6}{4} = \frac{3}{2} = 1\frac{1}{2} \; of \; an \; hour$$